COUNCIL OF

HIGHER SECONDARY EDUCATION

ODISHA, BHUBANRSWAR

COURSES OF STUDIES
IN
ARTS STREAM

FOR THE

HIGHER SECONDARY EXAMINATION

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SCHEME OF STUDIES

The following combinations in two years +2 Arts course of 2013-14 admission batch under CHSE(O) are allowed. Any deviation to this shall not be entertained.

1. Compulsory Subjects

a) English

b) M.I.L. (Odia / Telugu/ Bengali/ Urdu / Hindi/ Sanskrit/Alternative English)

Compulsory subjects(English and M.I.L.) carry 200 marks each

(100 Marks in 1st year and 100 marks in 2nd year)

2. Compulsory Subjects(To be assessed at the college level only)

Three compulsory subjects, Environmental Education(EE),Yoga , and Basic Computer Education(BCE) carry 100 marks each(1st year-Theory-70 marks and 2ndyear -project/practical 30 marks) will be assessed at the college level and the grades (A+, A, B, C,D, in order of merit) are to be awarded by the College and the same shall be recorded in thebody of the pass certificate given by the council subsequently. The grade secured in(EE/Yoga/BCE) will not affect the result of the candidate. The grade secured in individual subject shall be as follows.

Marks Grade

70% and above Gr A+

60% to 69% Gr A

50% to 59% Gr B

35% to 49% Gr C

Below 35% Gr D

3. Elective Subjects

1. History
2. Political science
3. Economics/IRPM
4. Logic/Geography
5. Mathematics/Home Science
6. Education/Psychology/Indian Music
7. Anthropology/Sociology/Statistics
8. Odia/Sanskrit/Persian/Hindi/Urdu/Bengali/Telugu.
9. Information Technology.

Elective subjects carry 200 marks each (100 marks in 1st year and 100 marks in 2nd year).A student

has to offer four elective subjects (1st, 2nd, 3rd& 4th electives) in addition to compulsory subjects (,English, MIL,EE,YOGA and BCE)

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Syllabus for Higher Secondary Education in ENGLISH for +2 Arts Stream.

(2016 Admission Batch)

+2 Ist year (Detailed Syllabus)

UNIT-I : PROSE

i. Standing Up for Yourself	Yevgeny Yevtushenko
ii. The Legend behind a Legend	Hariharan Balakrishnan
iii. The Golden Touch	Nathaniel Hawthorne
iv. In London In Minus Fours	Louis Fischer
v. The Cancer Fight, from Hiroshima to Houston	Ritsuko Komaki

UNIT-II : POETRY

i. Stopping by Woods on a Snowy Evening	Robert Frost
ii. Oft. in the Stilly Night	Thomas Moore
iii. The Inchcape Rock	Robert Southey
iv. To My True Friend	Elizabeth Pinard
v. Fishing	Gopa Ranjan Mishra

Unit-III : NON DETAILED STUDY

i. Three Questions	Leo Tolstoy
ii. After Twenty Years	O. Henry
iii. The Open Window	Saki
iv. The Open and only Houdini	Robert Lado
v. Childhood	Jawaharlal Nehru

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vi Marriage Dr. Rajendra Prasad

UNIT-IV : WRITING SKILLS

ii. Writing a Paragraph

iii. Developing Ideas into Paragraphs

iiii. Writing Personal Letters and Notes

iiv. Writing Applications, Official Letters and Business letters

v. Writing Telegrams, E-mails, Personal Advertisements, and Short Notices

vi. Using Graphics

UNIT-V : GRAMMER

ii. Countable and Uncountable Nouns

iii. Tense Patterns

iiii. Modal Verbs

iiv. Prepositions

v. The Imperatives

Book Prescribed : Invitation to English - 1,2,3 & 4,Published by Odisha State Bureau of Text Book Preparation and Production, Bhubaneswar.

A. QUESTION PATTERN AND DISTRIBUTION OF MARKS

English +2, 1st years

Full Mark : 100 Time : 3 Hrs.

1. Reading Comprehension

(a) Prescribed Prose Pieces.

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(5 questions to be answered, each carrying 2 marks) 10 marks

(b) Prescribed Peoms

(5 questions to be answered each carrying 2 marks) 10 marks

(c) Prescribed Extensive Reading Texts

(2 questions to be answered carrying 5 marks each; only global inferential and evaluative questions to be set) 10 marks

2. Reading - related skills

(a) Vocabulary skills 5 marks

(b) Information Transfer 5 marks

(Converting Verbal information to non-verbal forms, such as diagrams, charts and tables)

(c) Reordering/sequencing sentences 5 marks

(d) Dictionary/Reference skills

(2 marks on using a dictionary, and 3 marks meanings of a word) 5 marks

(e) Cohesive Devices 5 marks

3. Writing skills

(a) Letter Writing (personal/official/commercial : Word limit : 150) 10 marks

(b) Description of object/event/process (Word limit : 150) 10 marks

(c) Slogan/telegram/caption writing (Word limit : 10) 5 marks

4. Grammar in context 10 marks

5. Translation/story-developing 10 marks

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ENGLISH

2nd Year **No of Period : Yearly 80**

UNIT-I : PROSE

i.	My Greatest Olympic Prize	Jesse Owens
ii.	On Examinations	Winston S. Churchill
iii.	The Portait of a Lady	Khushwant Singh
iv.	The Magic of Teamwork	Sam Pitroda
v.	Development of Polio Vaccines	Bonnie A.M. Okonek and Linda Morganstein

Unit -II : POETRY

i.	Daffodils	William Wordsworth
ii.	The Ballad of Father Gilligan	William Butler Yeats
iii.	A Psalm of Life	Henry W. Longfellow
iv.	Television	Roald Dahl
v.	Money Madness	D.H. Lawrence

Unit -III : NON DETAILED STUDY

i.	The Doctor's Word	R.K. Narayan
ii.	The Nightingale and the Rose	Oscar Wilde
iii.	Mystery of the Missing Cap	Manoj Das
iv.	The Monkey's Paw	W.W. Jacobs
v.	My Mother	Charlie Chaplin
vi.	Stay Hungry. Stay Foolish	Steve Jobs

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Unit -IV : WRITING SKILLS

i. Interpreting Graph, Charts, Tables and diagrams etc

ii. Reporting Events and Business Matters

iii. Note-making and summarizing

iv. Extended Writing

Unit -V : GRAMMAR

i. Revision of 'Tense Pattern's and 'Modal Verbs'

ii. Conditionals

iii. The Passive

iv. Direct and Reported Speech

v. Interrogatives

vi. Phrasal Verbs

Book Prescribed :*Invitation to English - 1,2,3 & 4* , Published by Odisha State Bureau of Text Book Preparation and Production, Bhubaneswar.

QUESTION PATTERN AND DISTRIBUTION OF MARKS

English +2, 2nd year

Full Mark : 100 **Time : 3 Hrs.**

1. Reading Comprehension

(a) Prescribed Prose Pieces.
(5 questions to be answered, each carrying 2 marks) 10 marks

(b) Prescribed Peoms
(5 questions to be answered each carrying 2 marks) 10 marks

(c) Prescribed Extensive Reading Texts 10 marks

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(2 questions to be answered carrying 5 marks each; only global inferential and evaluative questions to be set on a passage of about 250 words)

(d) Unseen Prose passage

(5 questions including inferential ones, carrying 2 marks each) 10 marks **2.**

Reading - related skills

(a) Vocabulary skills (to be tested on the unseen passage) 5 marks

(b) Information Transfer (70 words) 5 marks

(Converting non-Verbal information into verbal form)

(c) Dictionary/Reference skills 5 marks

3. Writing Skills

(a) Report Writing (200 words) 10 marks

(b) Guided Note making on a given passage 7 marks

(c) Summarizing on the same passage 8 marks

(d) Essay writing (250 words - on given outlines) 10 marks

4. Grammar in Context 10 marks

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M.I.L (Odia)

ଆଧୁନିକ ଭାରତୀୟ ଭାଷା (ବାଧତାମୂଳକ) ଓଡ଼ିଆ

ପ୍ରଥମ ବର୍ଷ (୧ମ ଭାଗ)

ପୂର୍ଣ୍ଣ ସଂଖ୍ୟା - ୧୦୦ **ସମୟ - ୩ ଘ ।**

ପିରିଅଡ଼ ସଂଖ୍ୟା - ସାପ୍ତାହିକ୫ (ବାର୍ଷିକ ୮୦)

ପ୍ରଥମ ଏକକ - ଗଦ୍ୟ (୧୬ ପିରିଅଡ଼) **୨୦ ନମ୍ବର**

୧. 'ଶରଶୁ ପଦର' - ଗୋପୀନାଥ ମହାନ୍ତି

୨. ଝେଲମ୍ ନଦୀରେ ସଂଧ୍ୟା - କୁଂଜବିହାରୀ ଦାଶ

୩. ମଧୁବାବୁ - ଚିନ୍ତାମଣି ଆଚାର୍ଯ୍ୟ

୪. ଗାଁ ମଜଲିସ୍ - ହରେକୃଷ୍ଣ ମହତାବ

— ଏହି ଏକକରୁ ୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉ ର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉ ରଟି ବାଛି ଲେଖିବେ ।
ଏହାର ମୂଲ୍ୟ ୧ x ୫ = ୫ ନମ୍ବର ।

— ୪ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୩ଟିର ଉ ର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୧ x ୩ = ୩ ନମ୍ବର

— ୩ଟି ୨ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉ ର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୨ x ୨ = ୪ ନମ୍ବର ।

— ୨ଟି ୩ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉ ର ୩୦ଟି ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୩ x ୧ = ୩ ନମ୍ବର ।

— ୨ଟି ଦୀର୍ଘ ଉ ରମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉ ର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୫ ନମ୍ବର ।

ଦ୍ୱିତୀୟ ଏକକ - ପଦ୍ୟ (୧୬ ପିରିଅଡ଼) **୨୦ ନମ୍ବର**

୧. ସାହାଡ଼ା ବୃକ୍ଷ - ସାରଳା ଦାସ

୨. ଶାପ ମୋଚନ - ଜଗନ୍ନାଥ ଦାସ

୩. ହିମକାଳ - ଦୀନକୃଷ୍ଣ ଦାସ

୪. ମିତ୍ରତା - ଉପେନ୍ଦ୍ର ଭଞ୍ଜ

୫. ପୟରେ ପଶୁଛି ଶରଣ - ଭୀମଭୋଇ

— ଏହି ଏକକରୁ ୫ଟି ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉ ର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉ ରଟି ବାଛି ଲେଖିବେ ।
ଏହାର ମୂଲ୍ୟ ୧ x ୫ = ୫ ନମ୍ବର ।

— ୪ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୩ଟିର ଉ ର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୧ x ୩ = ୩ ନମ୍ବର

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— ୩ଟି ୨ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉ ର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୨ x ୨ = ୪ ନମ୍ବର ।

— ୨ଟି ୩ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉ ର ୩୦ଟି ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୩ x ୧ = ୩ ନମ୍ବର ।

— ୨ଟି ଦୀର୍ଘ ଉ ରମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉ ର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୫ ନମ୍ବର ।

ତୃତୀୟ ଏକକ - ଏକାଙ୍କିକା (୧୬ ପିରିଅଡ଼) **୨୦ ନମ୍ବର**

୧. ଅତ୍ୟାଚାରିତ - ପ୍ରାଣବନ୍ଧୁ କର
୨. ଭାଲୁ ଉପଦ୍ରବ - ବିଜୟ ମିଶ୍ର
୩. ସୀମିତ ସମ୍ପର୍କ - କାର୍ତ୍ତିକ ଚନ୍ଦ୍ର ରଥ

— ଏହି ଏକକରୁ ୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉ ର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉ ରଟି ବାଛି ଲେଖିବେ ।
ଏହାର ମୂଲ୍ୟ ୧ x ୫ = ୫ ନମ୍ବର ।

— ୪ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୩ଟିର ଉ ର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୧ x ୩ = ୩ ନମ୍ବର

— ୩ଟି ୨ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉ ର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୨ x ୨ = ୪ ନମ୍ବର ।

— ୨ଟି ୩ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉ ର ୩୦ଟି ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୩ x ୧ = ୩ ନମ୍ବର ।

— ୨ଟି ଦୀର୍ଘ ଉ ରମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉ ର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୫ ନମ୍ବର ।

ଚତୁର୍ଥ ଏକକ - ବୋଧଜ୍ଞାନ ପରୀକ୍ଷଣ (୧୬ ପିରିଅଡ଼) **୨୦ ନମ୍ବର**

୧. ଅବବୋଧ ପରୀକ୍ଷଣ (କ) ଗଦ୍ୟାଂଶ (ଖ) ପଦ୍ୟାଂଶ
୨. ସମ୍ବାଦ ଲିଖନ

(କ) ଅବବୋଧ ପରୀକ୍ଷଣ ନିମନ୍ତେ ଏକ ଗଦ୍ୟ ଅନୁଚ୍ଛେଦ ଦିଆଯିବ ।
ସେଥିରୁ ପ୍ରଥମ ୪ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ଉ ର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୧ x ୪ = ୪ ନମ୍ବର ।
ପୁନଶ୍ଚ
ସେଥିରୁ ୩ଟି ୨ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ଉ ର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୨ x ୩ = ୬ ନମ୍ବର ।

(ଖ) ଗୋଟିଏ ଅଜ୍ଞାତ କବିତା ଦିଆଯିବ । ସେଥିରୁ ୫ଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ଉ ର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୧ x ୫ = ୫ ନମ୍ବର ।

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(ଗ) ସାଂପ୍ରତିକ ଘଟଣାକ୍ରମକୁ ଆଧାର କରି ସମ୍ବାଦ ପ୍ରସ୍ତୁତ କରାଯିବ । ଦୁଇଟି ପ୍ରଶ୍ନ ମଧ୍ୟରୁ ଗୋଟିକ ଉ ର ଦେବାକୁ ହେବ ୧୫୦ ଶବ୍ଦ ମଧ୍ୟରେ ।

ଏହାର ମୂଲ୍ୟ ୫ x ୧ = ୫ ନମ୍ବର ।

ପ ମ ଏକକ - ପ୍ରବନ୍ଧ ଓ ବ୍ୟାକରଣ (୧୬ ପିରିଅଡ଼) **୨୦ ନମ୍ବର**

(କ) ପ୍ରବନ୍ଧ

(ଖ) ପତ୍ର ଲିଖନ

(ଗ) ବ୍ୟାକରଣ

ପଦ ପ୍ରକରଣ - ବିଶେଷ୍ୟ, ବିଶେଷଣ, ସର୍ବନାମ, ଅବ୍ୟୟ, କ୍ରିୟା

— ପ୍ରବନ୍ଧରୁ ତିନୋଟି ପ୍ରଶ୍ନ ଦିଆଯିବ । ସେଥିରୁ ଯେକୌଣସି ଗୋଟିଏ ପ୍ରଶ୍ନର ଉ ର ୧୫୦ ରୁ ୨୦୦ ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।

ଏହାର ମୂଲ୍ୟ ୫ x ୧ = ୫ ନମ୍ବର ।

— ପତ୍ର ଲିଖନରୁ ଦୁଇଟି ପ୍ରଶ୍ନ ଦିଆଯିବ । ସେଥିରୁ ଯେକୌଣସି ଗୋଟିଏ ପ୍ରଶ୍ନର ଉ ର ଦେବାକୁ ହେବ ।

ଏହାର ମୂଲ୍ୟ ୫ x ୧ = ୫ ନମ୍ବର

— ପଦ ପ୍ରକରଣରୁ ବିଶେଷ୍ୟ, ବିଶେଷଣ, ସର୍ବନାମ, ଅବ୍ୟୟ, କ୍ରିୟାରୁ ୪ଟି ଲେଖାଏଁ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟି ଲେଖାଏଁ ପ୍ରଶ୍ନର ଉ ର ଦେବାକୁ ହେବ ।

ଏହାର ମୂଲ୍ୟ ୧ x ୨ = ୨, ୧ x ୨ = ୨, ୧ x ୨ = ୨, ୧ x ୨ = ୨, ୧ x ୨ = ୨ = ୧୦ ନମ୍ବର ।

ପାଠ୍ୟଗ୍ରନ୍ଥ - ସାହିତ୍ୟ ଜ୍ୟୋତି, ପ୍ରଥମ ଭାଗ

ଓଡ଼ିଶା ରାଜ୍ୟ ପାଠ୍ୟ ପୁସ୍ତକ ପ୍ରଣୟନ ଓ ପ୍ରକାଶନ ସଂସ୍ଥା, ଭୁବନେଶ୍ୱର

ଆଧୁନିକ ଭାରତୀୟ ଭାଷା (ବାଧତାମୂଳକ) ଓଡ଼ିଆ

ଦ୍ୱିତୀୟ ବର୍ଷ (୨ୟଭାଗ)

ପୂର୍ଣ୍ଣ ସଂଖ୍ୟା - ୧୦୦ **ସମୟ - ୩ ଘ ।**

ପିରିଅଡ଼ ସଂଖ୍ୟା - ସାପ୍ତାହିକ - ୫ (ବାର୍ଷିକ ୮୦)

ପ୍ରଥମ ଏକକ (Unit - I) - ଗଦ୍ୟ (୧୬ ପିରିଅଡ଼) **୨୦ ନମ୍ବର**

୧. ଇତିହାସ - ବିଶ୍ୱନାଥ କର

୨. ସ୍ୱାଧୀନ ଦେଶର ଶିକ୍ଷା ଚିନ୍ତା - ଗୋଲୋକ ବିହାରୀ ଧଳ

୩. ପୁଷ୍ପପୁରରେ ବର୍ଷାବରଣ - କୃଷ୍ଣଚନ୍ଦ୍ର ପାଣିଗ୍ରାହୀ

୪. ତିନି ତୁଣ୍ଡରେ - ଭୁବନେଶ୍ୱର ବେହେରା

— ଏହି ଏକକରୁ ୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉ ର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉ ରଟି ବାଛି ଲେଖିବେ ।

ଏହାର ମୂଲ୍ୟ ୧ x ୫ = ୫ ନମ୍ବର ।

— ୪ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୩ଟିର ଉ ର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।

ଏହାର ମୂଲ୍ୟ ୧ x ୩ = ୩ ନମ୍ବର

— ୩ଟି ୨ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉ ର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।

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ଏହାର ମୂଲ୍ୟ ୨ x ୨ = ୪ ନମ୍ବର ।

— ୨ଟି ୩ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉ ର ୩୦ଟି ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୩ x ୧ = ୩ ନମ୍ବର ।

— ୨ଟି ଦୀର୍ଘ ଉ ରମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉ ର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୫ ନମ୍ବର ।

ଦ୍ୱିତୀୟ ଏକକ (Unit - II) - ପଦ୍ୟ (୧୬ ପିରିଅଡ଼) **୨୦ ନମ୍ବର**

୧. ବଡ଼ପଣ - ରାଧାନାଥ ରାୟ
୨. ତପସ୍ୱିନୀର ପତ୍ର - ଗଙ୍ଗାଧର ମେହେର
୩. ବନ୍ଦୀର ବିରହ ବ୍ୟଥା - ଗୋପବନ୍ଧୁ ଦାସ
୪. ବା ଁି - ସଚ୍ଚିଦାନନ୍ଦ ରାଉତରାୟ
୫. ପିଙ୍ଗଳାର ଅଭିସାର - ରାଧାମୋହନ ଗଡ଼ନାୟକ

— ଏହି ଏକକରୁ ୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉ ର ଦିଆଯିବ ।
ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉ ରଟି ବାଛି ଲେଖିବେ ।
ଏହାର ମୂଲ୍ୟ ୧ x ୫ = ୫ ନମ୍ବର ।

— ୪ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୩ଟିର ଉ ର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୧ x ୩ = ୩ ନମ୍ବର

— ୩ଟି ୨ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉ ର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୨ x ୨ = ୪ ନମ୍ବର ।

— ୨ଟି ୩ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉ ର ୩୦ଟି ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୩ x ୧ = ୩ ନମ୍ବର ।

— ୨ଟି ଦୀର୍ଘ ଉ ରମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉ ର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୫ ନମ୍ବର ।

ତୃତୀୟ ଏକକ (Unit - III) - ଗଳ୍ପ (୧୬ ପିରିଅଡ଼) **୨୦ ନମ୍ବର**

୧. ସଭ୍ୟ ଜମିଦାର - ଫକୀର ମୋହନ ସେନାପତି
୨. ପତାକା ଉତ୍ତ ାଳନ - ସୁରେନ୍ଦ୍ର ମହାନ୍ତି
୩. ରୂପନାରାୟଣ ସାହା - ଅଖିଳ ମୋହନ ପଟ୍ଟନାୟକ
୪. ଆକାଶ କଇଁଚ - ମନୋଜ ଦାସ

— ଏହି ଏକକରୁ ୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉ ର ଦିଆଯିବ ।
ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉ ରଟି ବାଛି ଲେଖିବେ ।
ଏହାର ମୂଲ୍ୟ ୧ x ୫ = ୫ ନମ୍ବର ।

— ୪ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୩ଟିର ଉ ର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୧ x ୩ = ୩ ନମ୍ବର

— ୩ଟି ୨ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉ ର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।

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ଏହାର ମୂଲ୍ୟ ୨ x ୨ = ୪ ନମ୍ବର ।

— ୨ଟି ୩ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉ ର ୩୦ଟି ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।

ଏହାର ମୂଲ୍ୟ ୩ x ୧ = ୩ ନମ୍ବର ।

— ୨ଟି ଦୀର୍ଘ ଉ ରମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉ ର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।

ଏହାର ମୂଲ୍ୟ ୫ ନମ୍ବର ।

ଚତୁର୍ଥ ଏକକ (Unit - IV) - ବୋଧଜ୍ଞାନ (୧୬ ପିରିଅଡ଼) ୨୦ ନମ୍ବର

୧. ଅବବୋଧ ପରୀକ୍ଷଣ (କ) ଗଦ୍ୟାଂଶ - ୧୦ ନମ୍ବର

(ଖ) ପଦ୍ୟାଂଶ - ୫ ନମ୍ବର

୨. ସର୍ଜନାତ୍ମକ ରଚନା - ୫ ନମ୍ବର

(ରୂଢ଼ି, ପ୍ରବାଦ, ପ୍ରବଚନ ଓ ସୂକ୍ତି ଆଧାରିତ)

— ଅବବୋଧ ପରୀକ୍ଷଣ ନିମନ୍ତେ ଏକ ଗଦ୍ୟ ଅନୁଚ୍ଛେଦ ଦିଆଯିବ ।

ସେଥିରୁ ପ୍ରଥମ ୪ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ଉ ର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।

ଏହାର ମୂଲ୍ୟ ୧ x ୪ = ୪ ନମ୍ବର ।

ପୁନଶ୍ଚ

୩ଟି ୨ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ଉ ର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।

ଏହାର ମୂଲ୍ୟ ୨ x ୩ = ୬ ନମ୍ବର ।

— ଅବବୋଧ ପରୀକ୍ଷଣ ନିମନ୍ତେ ଏକ ପଦ୍ୟ ଅନୁଚ୍ଛେଦ ଦିଆଯିବ । ସେଥିରୁ ୫ଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ସମସ୍ତ ପ୍ରଶ୍ନର ଉ ର ବାଧ୍ୟତାମୂଳକ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ଉ ର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।

ଏହାର ମୂଲ୍ୟ ୧ x ୫ = ୫ ନମ୍ବର ।

— ରୂଢ଼ି, ପ୍ରବାଦ, ପ୍ରବଚନ ଓ ସୂକ୍ତି ଆଧାରିତ ସର୍ଜନାମୂଳକ ଲିଖନ ସମ୍ବନ୍ଧୀୟ ୩ଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ଗୋଟିଏ ଉ ର ଦେବାକୁ ହେବ ।

ଏହାର ମୂଲ୍ୟ ୫ x ୧ = ୫ ନମ୍ବର ।

ପ ମ ଏକକ (Unit - V) - ପ୍ରବନ୍ଧ ଓ ବ୍ୟାକରଣ (୧୬ ପିରିଅଡ଼) ୨୦ ନମ୍ବର

(କ) ଦରଖାସ୍ତ ଓ ପତ୍ର ଲିଖନ

(ବ୍ୟବସାୟିକ, ବ୍ୟକ୍ତିଗତ, ବୃ ନିମି , ସରକାରୀ କାର୍ଯ୍ୟାଳୟ ସମ୍ବନ୍ଧୀୟ, ସାମୟିକ ଛୁଟି ଓ ସଂପାଦକଙ୍କୁ ପତ୍ର)

(ଖ) ସଂକ୍ଷିପ୍ତକରଣ

(ଗ) ବ୍ୟାକରଣ

୧) ରୂଢ଼ିକୁ ବାକ୍ୟରେ ପ୍ରୟୋଗ

୨) ଏକପଦୀକରଣ

୩) ସମୋଚାରିତ ଭିନ୍ନାର୍ଥବୋଧକ ଶବ୍ଦ

୪) ବିପରୀତ ଅର୍ଥବୋଧକ ଶବ୍ଦ

୫) ଭ୍ରମ ସଂଶୋଧନ (ଶବ୍ଦ)

— ଦରଖାସ୍ତ ଓ ପତ୍ରଲିଖନରୁ ୨ଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥରୁ ଗୋଟିଏ ଉ ର ଦେବାକୁ ହେବ ।

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ଏହାର ମୂଲ୍ୟ ୫ x ୧ = ୫ ନମ୍ବର ।

— ସଂକ୍ଷିପ୍ତକରଣ ନିମନ୍ତେ ଏକ ଗଦ୍ୟ ଅନୁଚ୍ଛେଦ ଦିଆଯିବ । ସେଥିରୁ ପରୀକ୍ଷାର୍ଥୀ ଏକ ତୃତୀୟାଂଶ ଶବ୍ଦରେ ଉ ର ଦେବାକୁ ହେବ ।

ଏହାର ମୂଲ୍ୟ ୫ x ୧ = ୫ ନମ୍ବର

— ରୂଢ଼ି ପ୍ରୟୋଗ, ଏକପଦୀକରଣ, ସମୋଚାରିତ ଭିନ୍ନାର୍ଥବୋଧକ ଶବ୍ଦ, ବିପରୀତ ଅର୍ଥବୋଧକ ଶବ୍ଦ ଏବଂ ଭ୍ରମ ସଂଶୋଧନ (ଶବ୍ଦ)ରୁ ୪ଟି ଲେଖାଏଁ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟି ଲେଖାଏଁ ପ୍ରଶ୍ନର ଉ ର ଦେବାକୁ ହେବ ।

ଏହାର ମୂଲ୍ୟ ୧ x ୨ = ୨, ୧ x ୨ = ୨, ୧ x ୨ = ୨, ୧ x ୨ = ୨, ୧ x ୨ = ୨ = ୧୦ ନମ୍ବର ।

ପାଠ୍ୟଗ୍ରନ୍ଥ - ସାହିତ୍ୟ ଜ୍ୟୋତି, ଦ୍ୱିତୀୟ ଭାଗ

ଓଡ଼ିଶା ରାଜ୍ୟ ପାଠ୍ୟ ପୁସ୍ତକ ପ୍ରଣୟନ ଓ ପ୍ରକାଶନ ସଂସ୍ଥା, ଭୁବନେଶ୍ୱର

M.I.L (HINDI)
QUESTION PATTERN AND DISTRIBUTION OF MARKS

Paper - 1

GROUP -A
(OBJECTIVE - TYPE)

1. Multiple choice/one word

Answer type forty Questions from Unit I, II, III & IV

(Forty Questions may be asked) 1 x 40 = 40

Group - B
(VERY SHORT ANSWER TYPE)

2. Very short one or two sentenses

Answer type Nine Questions from Unit - I, III & IV

(Twelve Questions may be asked) 2 x 9 = 18

Group - C
(SHORT ANSWER TYPE)

3. Short four to five sentenses

Answer type four Questions from Unit - III & IV

(Eight Questions may be asked) 3 x 4 = 12

Group - D
(LONG ANSWER TYPE)

4. Long ten to twelve sentenses

Answer type six Questions from Unit - III , IV & V

(Ten Questions may be asked) 5 x 6 = 30

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M.I.L (HINDI) - I

First Year

DETAILED SYLLABUS

Time - 3 Hours **Full Marks - 100**

पाठ्य पुस्तक : अमृत भारती, भाग - 1

Published by Odisha State Bureau of Textbook Preparation and Production.

Unit - I : अपठित गद्यांश / काव्यांश : **(15)**

(1) अपठित गद्यांश - बोध (गद्यांश पर आधारित बोध, प्रयोग, रचनांन्स, शीर्षक पर आधारित सछूतरी प्रश्न -

(2) काव्यांश पर आधारित अति सछूतरी प्रश्न -

Unit - II : कार्यालयी हिन्दी और रचनात्मक लेखन

1. संक्षेपण
2. निबंध लेखन
3. व्याकरण
   - i) उपसर्ग और प्रत्यय
   - ii) किया
   - iii) काल

Unit- III : काव्य भाग

- i) कबीरदास - दोहे
- ii) सूरदास - विनय तथा बाल लीला
- iii) मीरा - पद्
- iv) बिहारी - दोहू
- v) सुमित्रानंदन पंत - भारतमाता
- vi) नागार्जुन - बहुत दिनों के बाद
- vii) अशेय - हीरोशिमा
- viii) दुब्सन्त कुमार - हो गई है पीर पर्वत - सी
- ix) केदारनाथ सिंह - रोटी

प्रश्न :
- i) विकल्य चयन -
- ii) एक वाक्य में उत्तर -
- iii) दो वाक्यों में उत्तर -
- iv) तीन वाक्यों में उत्तर -
- v) दीर्घ उत्तर -

Unit- IV : गद्य भाग

- i) प्रेमचंद - जीयन मे साहित्य का स्थान
- ii) जैनेन्द कुमार - बाजार दर्शन

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iii) रामधारी सिंह 'दिनकर' - ईष्या, तु न गई मेरे मन से

iv) रामविलास शर्मा - अतिथि प्रश्न - पद्य पाठ के अनुस्प

Unit- V : काहानी

i) प्रेमचंद - बूढीकाकी

ii) जयशंकर प्रसाद - ममता

iii) भगयतीचरण यर्मा -वुंवरसरहब का वुता

iv) उदयप्रकाश - अपराध

प्रश्न - दीर्घ उत्तरमूलक 2 प्रण्न

QUESTION PATTERN AND DISTRIBUTION OF MARKS

M.I.L. - HINDI

Paper - II

Group - A

(Objective Type)

1. Multiple choice / one word
   Answer type forty Question from I, II, III & IV
   (Forty Questions may be asked) 1 x 40 = 40

Group - B

(VERY SHORT ANSWER TYPE)

2. Very short one or two sentenses
   Answer type Nine Questions from Unit - I, III & IV
   (Twelve Questions may be asked) 2 x 9 = 18

Group - C

(SHORT ANSWER TYPE)

3. Short four to five sentenses
   Answer type four Questions from Unit - III & IV
   (Eight Questions may be asked) 3 x 4 = 12

Group - D

(LONG ANSWER TYPE)

4. Long ten to twelve sentenses
   Answer type six Questions from Unit - III , IV & V
   (Ten Questions may be asked) 5 x 6 = 30

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M.I.L (HINDI) - II

Second Year

DETAILED SYLLABUS

Time - 3 Hours **Full Marks - 100**

पाठ्य पुस्तक : अमृत भारती, भाग - 2

Published by Odisha State Bureau of Textbook Preparation and Production.

Unit - I : अपठित अंश । गद्य एवं पद्य **(15)**

i) गद्यांश - बोध, प्रयोग, रचना, शीर्षक आदि पर लघूत्तएत्मक प्रश्न

i) पद्यांश - बोध, मर्म आदि पर लघूत्तएत्मक प्रश्न

Unit - II

(क) प्रयोजनमूलक हिन्दी और रचना :

i) पल्लवन

ii) पत्र - लेखन

(ख) व्याकरण

i) लिग

ii) वचन

iii) संज्ञा - विशेषण के प्रयोग

Unit - III :

काव्य :		**प्रश्न :**
i) रहीम	- दोहे	i) विकल्ल चयन
ii) तुलसी दास	- राम- विमीषण मिलन	ii) एक वाक्य मा उत्तर
iii) मैथिलीशण गुप्त	- नर हो, न निएश करो मन को	iii) दो वाक्यो मे उत्तर
iv) निराला	- वीणा वादिनी वट हे, बादल एग	
v) बच्चन	- अग्निपथ	iv) तीन वाक्यों मे उत्तर
vi) सुनन्दा कुमारी चौहान	- सॉसी की रानी	v) दीर्घ उत्तर
vii) मुक्ति बोध	- पूँजीवादी समाज के प्रटि	
viii) मंगलेशडबराल	- ताकत की दुनिया	

Unit - IV : गद्य पाठ :

i) बालकृष्ण भट्ट - आत्मानिर्भरता

ii) रामचन्द्र सुवल - उत्साह

iii) शरह जोशी - टुम जाओगे, अतिथि

iv) बचेन्द्र पाल - एवरेस्य : मेरी शिखर यात्रा

प्रश्न : पद्यपाठ के अनुरूप

Unit - V :

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i) अज्ञेय - खितिन बाबू
ii) मोहन एकेश - परमात्मा का कुत्ता
iii) मन्नू भण्डारी - मजबूरी
iv) भारत भुषण अग्रवाल - महाभारत की एक साँझ
प्रश्न : दीर्घ उत्तरमूलक २ प्रश्न

BENGALI

(Compulsory)

The present syllabus in Bengali is designed to improve the Bengali language and knowledge in Bengal literature and Indian Culture. To strengthen the national integrity a profound sense of patriotism and nationalism tempered with the spirit of "Vasundhaiva Kutambakam.

The Syllabus has been divided into two parts/The first part is meant for the students of XI class and the examination of the first part shall be conducted at the end of the XI Class at College/ HS School level.

The Second part of the syllabus is meant for the students of XII Class and the examination of this part shall be conducted at the end of XII Class at Council level.

M.I.L. (BENGALI)

(Compulsory)

First Year

LANGUAGE - 50 MARKS

UNIT - I **Grammar = 30 Marks**

1. Samas (Dawanda Samas, Bahubrihi and Karmadharayan 2 x 5 = 10
2. Synonyn / Antonym (with alternatives) 2 x 5 10
3. Proverbs and Indioms (with alternatives) - 2 x 5 = 10

UNIT - II Amplification (Bhabsamprasaran) (2) 5 x 2 = 10

UNIT - III (Composition) - Letter writing = 10

(Personal letters Friends and Parents with alternatives)

LITERATURE - 50 MARKS

UNIT - IV **Text book Prescribed**

1. Prose one question one explanation 15= Q + 2 + 2 + 2 + 4 Expl - 5
2. Poetry - one question on explanation 15 = Q = 2 + 2 + 2 + 4 Expl = 5

(Alternatives will be given)

UNIT - V Novel (one question) 5 + 5 = 10

UNIT - VI Essay (one out of three) 10

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UNIT - I

Books Prescribed :

PROSE :

Uchha Madhyamik Bangia Sankalan. (Gadya) for Class XI & XII. Published by Paschim Banga Uchha Madhyamik Siksha Sansad, Viswa Varati.

The following pieces are to be studied in the first year:

1.	Bangladeshe Nilkar	-	Pyarichand Mitra.
2.	Sitar Banabas	-	Iswarchandra Vidyasagar.
3.	Bisarjan	-	Bankimchandra Chattopadhya
4.	Sudra gagaran	-	Swami Vivekananda.

UNIT - II

POETRY:

Madhukari - Kalidas Ray

(Published by Orient Book Company, Kolkata -12)

The following pieces are to be studied in the first year:-

1.	Srigoura Chandra	-	Gobinda das kabiraj.
2.	Bhabollas	-	Vidyapati
3.	Premer Tulana	-	Durija Chandidas
4.	Avigir Akshep	-	Gyandas

UNIT - III

NOVEL - (Non-Detailed)

Srikanta - Sarat Chandra Chattopadhayay

(Chapter -1 to 7 (one to seven) to be read in the first year)

UNIT - IV

Grammar

Proverbs and Indioms, Sentence and word formation Annonyms and Synonyms.

Distribution of Marks of Unit wise :-

Unit - I Prose

A.	Two short Answer type questions with alternatives	Q 1 - 2+2+2+4 = 10
B.	One explanation with alternatives	Expl - 5
C.	Five very Short Answer type questions with alternative	

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Unit - II Poetry

A. Two short Answer type Questions with alternative- 2 x 5 =10

B. One explanation with alternative

C. Five very short answer type questions with alternative

Unit - III Novel (Non datail) -

A. Four short answer type Question with alternative Q 4 x 10 = 40

Unit - IV Grammar & Essay - Q 1x10 = 10

A. Grammar objective type 10 Questions with alternative containing 2 marks 5 =10

B. Essay/ One essay with three alternatives - 10

M.I.L. (Bengali)
SECOND YEAR

F.M. - 100
Time - 3 hrs.

The examination shall be conducted at the end of XII Class at Council level.

Books Prescribed:

UNIT - I PROSE :

Uchha Madhyamik Bangia Sankal"an (Gadya) for Class XI & XII.
Published by Paschim Banga Uchha Madhyamik Siksha Sansad, Viswa Varati.
The following pieces are to be studied in the Second year :-

1. Bangia Bhasa - Haraprasad Sastri
2. Tota Kahini - Rabindranath Tagore
3. Naisha Avijaa - Sarat Ch. Chattopadhayay
4. Aranyak - Bibhuti Bhusan Bandopadhay

UNIT - II

Madhukari - Kalidas Ray
(Published by Orient Book Company, Kolkata -12)

Pieces to be Studied:

1. Baisakh - Oebendra Nath Sen
2. Lohar Byatha - Jatindra Nath Sengupta
3. Swarga Haite Viday - Rabindra nath Tagore
4. Rupai - Jasimuddin

UNTT - III NOVEL - (Non-detailed Study)

Pather Panchali - Bibhuti Bhusan Bandhopadhyaya

(Chapter (8 to 12) eight to twelve to be studied in the Second year.)

UNIT - IV Grammar and Essay

(i) Pada Paribartan

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(ii) Somas

(iii) Somo chharita-Bhinna Thark Sobda and its application in sentences.

Distribution of marks of unit wise :-

There shalf be four units.

Unit - I Prose

A. Two short Answer type questions with alternatives -

B. One explanation with alternatives -

C. Five very Short Answer type questions with alternative-

Unit - II Poetry

A. Two short Answer type Questions with alternative

B. One explanation with alternative

C. Five very short answer type questions with alternative

Unit - III Novel (Non datail) -

A. Four short answer type Question with alternative

Unit-IV Grammar & Essay-

A. Grammar objective type 1.0 Questions with alternative containing. 2 marks each

B. Essay/ One essay with three alternatives -

M.I.L. (BENGALI)

2ND YEAR, TIME 3 HRS. MAXIMUM MARKS = 100

LANGUAGE = 50 MARKS

UNIT - I Grammar = 30 Marks

1. Samas (Dawanda Samas, Bahubrihi 2 x 5 = 10 and Karmadharayan
2. Synonym / Antonym (with alternatives) 2 x 5 10
3. Proverbs and Indioms (with alternatives) - 2 x 5 = 10

UNIT - II Amplification (Bhabsamprasaran) (2) 5 x 2 = 10

UNIT - III (Composition) - Letter writing = 10

(Personal letters Friends and Parents with alternatives)

LITERATURE - 50 MARKS

UNIT - IV Text book Prescribed

1. Prose one question one explanation 15= Q + 2 + 2 + 2 + 4 Expl - 5
2. Poetry - one question on explanation 15 = Q = 2 + 2 + 2 + 4 Expl = 5

(Alternatives will be given)

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UNIT - V Novel (one question) 5 + 5 = 10

UNIT - VI Essay (one out of three) 10

UNIT - IV

Grammar

Proverbs and indioms, Sentence and word formation Annonyms and Synonyms.

Distribution of Marks of Unit wise :-

Unit - I Prose Q 1 - 2+2+2+4 = 10 + Expl - 5 = 15

A. Two short Answer type questions with alternatives.

B. One explanation with alternatives

C. Five very Short Answer types questions with alternative

Unit - II Poetry

A. Two short Answer type Questions with alternative

B. One explanation with alternative

C. Five very Short Answer type questions with alternative

Unit - III Novel (Non detail)-

A. Four short answer type Question with alternative

Unit - IV Grammar & Essay -

A. Grammar objective type 10 Questions with alternative containing

B. Essay/ One essay with three alternatives -

M.I.L (Bengali)

SECOND YEAR

F.M. - 100
Time - 3 hrs.

The examination shall be conducted at the end of XII Class at Council level.

Books Prescribed:

UNIT-I PROSE:

Uchha Madhyamik Bangia Sankal"an (Gadya) for Class XI & XII.

Published by Paschim Banga Uchha Madhyamik Siksha Sansad, Viswa Varati.

The following pieces are to be studied in the Second year :-

1. Bangia Bhasa - Haraprasad Sastri
2. Tota Kahini - Rabindranath Tagore
3. Naisha Avijaa - Sarat Ch. Chattopadhayay
4. Aranyak - Bibhuti Bhusan Bandopadhay

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UNIT - II POETRY :

Madhukari - Kalidas Ray

(Published by Orient Book Company, Kolkata -12)

Pieces to be Studied:

1. Baisakh - Oebendra Nath Sen
2. Lohar Byatha - Jatindra Nath Sengupta
3. Swarga Haite Viday - Rabindra nath Tagore
4. Rupai - Jasimuddin

M.I.L (TELUGU)

FIRST YEAR

(Compulsory)

Time 3 hours **Full Marks 100**

There shall be one paper carrying 100 marks of 3 hours duration consisting of four units. The examination shall be conducted at the end of First Year of college/H.S. School. ,

DISTRIBUTION OF MARKS

Group-A (Objective Type)

1.	Thirty very short questions (from unit I, II & III)	30x1 =30 Marks
2.	Ten very short questions (from unit IV-A)	10x1=10 Marks

Group-B (short Type Questions)

3.	Six short questions (from Unit!, II & III)	6x2=12 Marks
4.	Four explanation (only Bhavartha from unit I & II)	4x2=8 Marks
.		
5.	Five short questions (from Unit IV-A).	5x2=10Marks

Group -C (Long Type Questions)

6.	Three long questions with alternative	3x7=21 Marks
7.	Letter writing/essay with alternative(from unit IV-B)	1x9=9 Marks
	TOTAL -	100 marks

TOPICS TO BE STUDIED :

UNIT - I POETRY: (20 periods)

1. Ekalavyudu - Nannaya Bhattu
2. Balivamana Samvadamu - Bammera Potana
3. Subhashitamulu - Enugu Lakshmana Kavi
4. Tokachukka - Gurajada Apparao

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5.	Gongali Purugulu	-	Balagangadhara Tilak
6.	Pushpa Vilapamu	-	Jandhyala Papayya Sastri

UNIT-II PROSE : (20 periods)

1.	MitraLabhamu	-	Paravastu Chtnnayasuri
2.	Vemana	-	Dr. G.V.Krishna Rao
3.	C.P. Brown Sahitya Seva	-	Prof. K. Sarvothama Rao
4.	AIDS	-	Dr. Singupuram Narayana Rao
5.	Teiugu Patrikala Purva Rangam	-	Namala Visveswara Rao

UNIT - III NON - DETAIL : (16 periods)

	Raja Raja Prasasti	-	Prof..S. Gangappa

UNIT - IV (A) GRAMMER : (16 periods)

Vibhaktulu - Pratyayalu, Prakruti -Vikrutulu, Vyatireka Padamulu, Paryaya Padamulu, Jateeyalu - Padabandhalu

B) WRITING / GENERAL ESSAY: (08 periods)

BOOKS PRESCRIBED :

1.	Poetry & Prose	:	SAHITEE VIPANCHI - By Dr. Singupuram Narayana Rao
2.	Non-Detail	:	RAJA RAJA PRSASTI - By Prof. S. Gangappa
3.	Grammar		VYAKARANA PARIJATAMU - By Dr. Singupuram Narayana Rao

M.I.L (TELUGU)
SECOND YEAR
(Compulsory)

Time 3 hours No of Periods : Weekly-5 Full Marks 100
Yearly 80

There shall be one paper carrying 100 marks of 3 hours duration consisting of four units. The examination shall be conducted at the end of Second Year at Council level.

DISTRIBUTION OF MARKS

Group-A (Objective Type)

1.	Thirty very short questions (from unit), II & III)	30x1 =30 Marks
2.	Ten very short questions (from unit IV-A)	10x1=10 Marks

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Group-B (short Type Questions)

3.	Six short questions(from Unit I, II & III)	6x2=12 Marks
4.	Four explanations (only Bhavartha from unit! & II)	4x2=8 Marks
5.	Five short questions (from Unit IV-A)	5x2=10 Marks

Group -C (Long Type Questions)

6.	Three long questions with alternative	3x7=21 Marks
7.	Re-Translation (from unit iv-B)	1x9=9 Marks
	TOTAL	**100 marks**

TOPICS TO BE STUDIED:

UNIT - I POETRY : (20 periods)

1.	Sanjaya Rayabharamu	-	Tikkana Somayaji
2.	Hanumatsandesamu	-	Atukuri Molla
3.	Piradausi.Lekha	-	Gurram Jashuwa
4.	Manchi Mutyala Saralu	-	Sri Sri
5.	Jateeyata	-	Dr. Nagabhairava Koteswara Rao
6.	Panjaramlo Amma	-	Dr. Bhusurapalli Venkateswarlu

UNIT - II PROSE: (20 periods)

1.	MitraBhedamu	-	Paravastu Chinnayasuri
2.	Rayaprolu streevada drukpadham	-	Prof K.Yadagiri
3.	Ahalya Sankrandanam Patra Chitrana	-	Dr. Nagabhairava Adinarayana
4.	Veyipadagalu Samajika Drukpadham	-	Dr. Singupuram Nayayana Rao
5.	Goutama Budhudu	-	Dr.- V. Rajagopala Chakravarty

UNIT - III NON-DETAIL: (16 periods)

Rudrama Devi - Smt. P.B. Kausalya

UNIT - IV A) GRAMMAR : (16 periods)

Paribhashika padamulu

Chandssu : Utpalamala, Champakamaia, Sardhulamu, Mathebhamu, Ataveladi, Tetageeti

Aiankaramuiu : Upama, Rupaka, Utpreksha, Ardhantaranyasa, Atisiyokti

B) RE-TRANSLATION (English to Telugu) :(08 periods)

BOOKS PRESCRIBED :

1) Poetry & Prose : **Sahitee Mandaram**
- By Dr. Singupuram Narayana Rao

2) Non-Detai : **Rudramadevi**
- By Smt. P.B. Kausalya

3) Grammar : **Vyakarana Parijatamu**
- By Dr. Singupuram Narayana Rao

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M.I.L. (URDU)

(Compulsory)
FIRST YEAR
Total Class-80

Time-3hrs. **F.M.-100**

There Shall be one Paper carrying 100 marks consisting of 3 (three) groups and duration of examination will be of 3 (three) hours at the college / H.S.E level.

Distribution of marks

GROUP - A

30 MARKS

Very Short Type Answer

1. Objective type questions from all units Prose, Poetry and non-detailed

A.	Five objective type questions from prose	1x5 = 5 Marks
B.	Five objective type questions from poetry	1x5 = 5 Marks
C.	Five objective type questions from Non-detailed	1x5 = 5 Marks
		Total 15 Marks

Grammar

2. A.	One word answer five questions	1x5 = 5 Marks
B.	Very short answer five questions	1x5 = 5 Marks
C.	Fill up the Blanks five questions	1x5 = 5 Marks
		Total 15 Marks

GROUP -B

40 MARKS

Short Type Answer

3. Answer within two/three sentences

A.	Prose-Six questions to be answered out of eight questions	6 x 2 = 12 Marks
B.	Poetry-Five questions to be answered out of seven questions	5x2 = 10 Marks
		Total = 22 Marks

4. Answer within six sentences

A.	Prose- Three questions to be answered out of four questions.	3x3 = 09 Marks
B.	Ghazaliyat- Three Ashaar explanation to be answered out of four Ashaar.	3 x 3 = 09 Marks
		Total = 18 Marks

GROUP-B **30 MARKS**

Logn Type Answer..

A. Prose : One long answer type question about 150 words with an alternative from prose portion. 7.5 Marks

B. Poetry : One long answer type question about 150 words with an alternative from poetry. 7.5 Marks

C. Non detailed - on long answer type question about 150 words with an alternative from non-detailed portion. 7.5 Marks

D. Letter / Application : One Letter Writing / application writing about 100 words. 7.5 Marks

Books Prescribed :

JADID ADAS PARE

Recommended Book “JADID ADAB PARE”,

Published by Odisha State Bureau of Text Book preparation and Production, BBSR.

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Unit -I **20 Classes**

1. Prose Portion :

Portions to be studied :

i. Qaumi Hamdardee - Altaf Hossain Mali
ii. Sair Pahle Darwesh Ki - Mir Amman
iii. Mitti Ka Tel - Hasan Nezami.
iv. Bahadur Shah-Do Ghaz Zamien - Dr. Mahfuzul Hassan

Unit - II **24 Classes**

2. (a) Poetry Portion :

Portions to be studied :

i. Aata Dal - Nazir.
ii. Tasweere-e-Dard - Iqbal.
iii. Jogan Aur Chandni Raat - Mir Hasan
iv. Naojawanon-se-khetab - Josh

(b) Ghazaliyat Portions :

i. Ghalib, ii. Dard, iii. Aatish, iv. Momim

Unit - III **16 Classes**

3. Non detailed studies :

Any one of the following books only first half of the books in the 1st year.

I. TAUBATUN NASOOH

by : Deputy Nazeer Ahemad
Pulisher: Maktab-E-Jamiya LTD.
Jamia Nagar, New Delhi -110025

II. MUSADDAS-E-HALI

by : Altaf Husain Mali
Pulisher: Educational Book House Aligarh (UP)

Unit - IV **5 Classes**

4. Letter Writing :

There shall be letter Writing /Application Writing

5. Grammar:

URDU ZOBAN-O-QUWAID PART-1

by : Shafi Ahmad Siddiqui

Portions to be studied :

i. Tazkir-o-Tsrees
ii. Ghalat Jumle Aur Unki Islah
iii. Mutashabeh Alfag

SECOND YEAR

Total Clss-80

Time- 3hrs **F.M.-100**

There Shall be one Paper carrying 100 marks consisting of 3 (three) groups and duration of examination will be of 3 (three) hours at the C.H.S.E. / H.S.E Level

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Distribution of Marks

GROUP-A

30 MARKS

Very Short type Answer.

1. Objective type questions from all units Prose, Poetry and non-detailed

A. Five objective type questions from prose 1x5 = 5 Marks

B. Five objective type questions from poetry 1x5 = 5 Marks

C. Five objective type questions from Non-detailed 1x5 = 5 Marks

Total = 15 Marks

Grammar

2. A. One word answer five questions 1x5 = 5 Marks

B. Very short answer five questions 1x5 = 5 Marks

C. Fill up the Blanks five questions 1x5 = 5 Marks

Total = 15 Marks

GROUP-B

40 MARKS

Short Type Answer

3. Answer within two/three sentences

A. Comperhension of an unseen passage of about 150 words. Followed by seven questions to answered out of nine question. 7x2 = 14 Marks

B. Prose : Four questions to be answered out of six questions 4 x 2 = 08 Marks

Total = 22 Marks

4. Answer within six sentences

A. Prose : Three questions to be answered out of four questions. 3 x 3 = 09 Marks

B. Ghazaliyat: Three Ashaar explanation to be answered out of four Ashaar.

3 x 3 = 09 Marks

Total = 18 Marks

GROUP-C

30 MARKS

5. Long Type Answer

A. Prose : One long answer type question about 150 words with an alternative from prose portion.

7.5 Marks

B. Poetry : One long answer type question about 150 words with an alternative from poetry.

7.5 Marks

C. Non detailed - on long answer type question about 150 words with an alternative from non-detailed portion. 7.5 Marks

D. Essay : One long answer type question about 150 words with three alternatives.

7.5 Marks

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Books Prescribed :

JADID ADAB PARE

Recommended Book "JADID ADAB PARE", PART-II

Published by Odisha State Bureau of Text Book preparation and Production, BBSR.

Unit - I **20 Classes**

1. **Prose Portions :**

Portions to be studied :

i. Hindu Musalman Eik Qaum Hain - Sir Sayed Ahmad Khan
ii. Haqeeqi Azmat - Moulana Abul Kalam Azad.
iii. Ustad ki Talash - Farhatullah Baig
iv. Diary - Abuzar Usmani

Unit - II **24 Classes**

2. **(a) Poetry Portions :**

Portions to be studied :

i. Shamma Parwana — Iqbal.
ii. Wadei-e -Ganga Mein ek Raat- Akhtar Shirani
iii. Mera Safar- Ali sardar Jafri
iv. Tajmahalki Pahli Jhalak Per- Karamat Ali Karamat

(b) Ghazaliyat and Rubaiyat Portions :

i. Dagh, ii. Shad, iii. Hasrat, iv. Jami

Unit - III **16 Classes**

3. **Non detailed studies :**

Any one of the following books only last half of the books in the 2nd year.

i. TAUBATUN NASOOH

by : Deputy Nazeer Ahemad

Pulisher: Maktab-E-Jamiya LTD.

Jamia Nagar, New Delhi -110025

ii. MUSADDAS -E -HALI

by: Altaf Husain Hali

Publisher: Educational Book House Aligarh (UP)

Unit - IV **5 Classes**

4. **(a) Essay:**

There shall be one general Essay with three alternatives

(b) Comprehension

5. **Grammar: I**

URDU ZOBAN-O-QUWAID PART-1

by : Shafi Ahmad Siddiqui

Portions to be studied :

i. Wahid-O-Jama
ii. Mutazad Alfaz
iii. Mahaware

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M.I.L. (Sanskrit)

FIST YEAR

Total Classes - 80

There Shall be one Paper carrying 100 marks. The duration of examination will be of 3 (three) hours

COURSE STRUCTURE

		Classes required	Marks allotted	
a)	Reading Skill	20	20
b)	Writing Skill	25	40
c)	Literary Text	35	40
	Total	80 Classes	100 Marks

PORTIONS TO BE STUIDED

a) **Prose - Sanskrutaprabha (Gadyabhagah)**

संस्कृतप्रभा-गद्यभाग:

The following proe pieces from the above mentioned book are to be stuided

1) मनुमत्स्याख्यानम् (Manumatsyakhyanam)
2) चतुरशृगाल: (Chaturasrugalah)
3) संस्कृते किं नास्ति (Sanskrta kim nasti)
4) जाबाल: सत्यकाम: (Jabalah Satyakamah)

b) Poetry - Samskrtaprabha (Podyabhagah)

संस्कृतप्रभा (पद्यभाग:)

The following poetry pieces from the above book are to be stuided

1) सुभाषितावली (Subhasitavali)
2) भाति मे भारतम् (Bhati me Bharatam)
3) वसन्त: (Vasantah)

c) Grammar from the Prose and Poetry

1) सन्धि - सन्धिविच्छेद Sandhi and Sandhi Viccheda
2) कारकविभक्ति (Karak Vibhakti)
3) प्रकृतिप्रत्यय (Prakrti Pratyaya)

d) Topics from the Grammar text

1) स्त्रीप्रत्यय Stripratyaya
2) समास Samasa
3) एकपदीकरण Formation of single word from Stripratyaya and Samasa

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e) Translation and Comprehension

1) Comprehension - Sanskrit Passage from the comprehension pasages of संस्कृतप्रभा, Part - I

2) Translation into Odia/English from prose and Poetry, translation from Sanskrit to Odia/ English.

f) Writing Skill

The art of writing - letters, Applications, Textual Explanation, Textual long questions.

Books Recommended

1) Sanskrtaprabha, Part - I - संस्कृतप्रभा - प्रथमोभाग:

Published by Odisha State Bureau of Textbook Preparation and Production.

2) Vyakarana - darpants - ब्याकरण दर्पण:

Published by Odisha State Bureau of Textbook Preparation and Production.

M.I.L. (Sanskrit)

FIST YEAR

1. **Reading Skill -** **20 Marks**

i) Multiple choice questions from Prose & Poetry (3+2) 1 x 5 = 5 Marks

ii) Very short questions from Prose & Poetry (2 + 3) 1 x 5 = 5 Marks

iii) Short questions from Prose & Poetry (1 + 1) 2 x 2 = 4 Marks (out of 04 questions)

iv) Two questions from prose & poetry (1+1) 3 x 2 = 6 Marks (out of 4 questions)

2. Writing Skill

i) Very short questions from Grammar Text - 10 Marks
   a) Stripratyaya - 1 x 3 = 3 Marks
   b) Samasa - 1 x 4 = 4 Marks
   c) Ekapadikarana - 1 x 3 = 3 Marks

ii) Translation of verse into Odia / English from Poetry Text - 4 x 1 = 4 Marks (out of 02 verses)

iii) Translation of one pasage into Odia/English from Prose Text - 6 x 1 = 6 Marks

iv) Translation of an Unseen Sanskrit Passage to Odia/English from given Passage - 1 No. 10 x 1 = 10 Marks

v) Application / Letter writing - 1 No. - 10 x 1 = 10 Marks (out of 2 questions)

3. Literary Text **40 Marks**

i) Grammar from Prose : (Sandhiviccheda) - 1 x 4 = 4 Marks

ii) Grammar from Poetry :

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Karaka-Vibhakti - 1 x 3 = 3 Marks
Prakrati - Pratyaya - 1 x 3 = 3 Marks

iii) Two questions from Prose & Poetry (1+1)
6 x 2 = 12 Marks (with in 30 words) (out of 4 questions)

iv) Explanation of Verse from Poetry text (one)
08 x 1 = 08 Marks (out of two verses)

v) Comprehension (one passage) from text (1 - 8) 2 x 5 = 10 Marks

N.B. : Answer in Sanskrit are to be written either in Odia script or in Devanagari script.

M.I.L. (Sanskrit)

SECOND YEAR

There shall be one paper carrying 100 Marks. The duration of Examination will be of three hours.

COURSE STRUCTURE

	Classes required	Marks allotted	
a)	Reading Skill	20	20
b)	Writing Skill	25	40
c)	Literary Text	35	40
	Total	80 Classes	100 Marks

PORTIONS TO BE STUIDED

a) **Prose - Sanskrutaprabha (Gadyabhagah)**

संस्कृतप्रभा - गद्यभाग:

The following proe pieces from the above mentioned book are to be stuided

1) कपोतलुब्धककथा (Kapotalubdhakakatha)
2) सुश्रुतस्य यन्मकर्मशस्त्रकर्माणि (Susrutasya Yantrakarmasastrakarmini)
3) गुणिगुणहीनविवेक: (Gunigunahinavivekah)
4) रामतपोवनाभिगमनम् (Ramatapovanabhigamanam)

b) Poetry - Samskrtaprabha (Podyabhagah)

संस्कृतप्रभा (पद्यभाग:)

The following poetry pieces from the above book are to be stuided

1) दशावतारस्तुति: (Dasavatarastutih)
2) गीतासवरभम् (Gitasourabham)
3) रघुवंशम् (Raghuvamsam)

c) Grammar from the Prose and Poetry

1) कारकविभक्ति (Karak Vibhakti)

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2) सन्धि - सन्धिविच्छेद Sandhi and Sandhi Viccheda

d) Topics from the Grammar text

1) शब्दरूप Sabdarupa (नर, फल, लता, मुनि, मति, वारि, नदी, पितृ, मातृ, गच्छत्, मनस्, आत्मन्, तद्, किम्, इदम्, अस्मद्, युष्मद्, द्वि, त्रि, चतुर)

2) धातुरूप Dhaturupa (भू, गम्, पठ्, कृ, अस्, लभ्, पूज्)

3) समास Samasa

4) स्त्रीप्रत्यय Stripratyaya

e) Translation and Comprehension

1) Comprehension - Sanskrit Passage from the comprehension pasages of संस्कृतप्रभा, Part - II

2) Translation into Odia/English from Prose and Poetry, Translation from Odia/English to Sanskrit.

f) Writing Skill

The art of writing - Textual Explanation, Textual long questions and Precis writing.

Books Recommended

1) Sanskrtaprabha, Part - II - संस्कृतप्रभा - द्वितीयोभाग:

Published by Odisha State Bureau of Textbook Preparation and Production.

2) Vyakarana - darpants - ब्याकरण दर्पण:

Published by Odisha State Bureau of Textbook Preparation and Production.

M.I.L. (Sanskrit)

SECOND YEAR

1.	**Reading Skill -**		**20 Marks**
	i)	Multiple choice questions from Prose & Poetry (3+2)	1 x 5 = 5 Marks
	ii)	Very short questions from Prose & Poetry (2 + 3)	1 x 5 = 5 Marks
	iii)	Short questions from Prose & Poetry (1 + 1)	2 x 2 = 4 Marks (out of 4 questions)
	iv)	Two questions from Prose & Poetry (1+1)	3 x 2 = 6 Marks (out of 4 questions)

2. Writing Skill **40 Marks**

i) Very short questions from Grammar Text - 10 Marks

a) Sabdarupa - 1 x 3 = 3 Marks

b) Dhaturupa - 1 x 3 = 3 Marks

c) Samasa - 1 x 2 = 2 Marks

d) Stripratyaya - 1 x 2 = 2 Marks

ii) Translation of verse into Odia / English from Poetry Text - 4 x 1 = 4 Marks (out of 02 verses)

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iii) Translation of pasage to Odia/English from Prose Text - 6 x 1 = 6 Marks
iv) Precis writing - 1/3 of an Unseen Passage - 10 Marks
v) Unseen Passage translation from Odia/English to Sanskrit - 10 Marks

3. Literary Text **40 Marks**

i) Grammar from Prose/Poetry Text - 10 Marks
Karaka-Vibhakti - 2 x 3 = 6 Marks
Sandhi and Sandhi-Vicchheda - 1 x 4 = 4 Marks
ii) Explanation of Verse from Poetry text (one) 8 x 1 = 8 Marks
iii) Questions from Prose & Poetry (1+1)
6 x 2 = 12 Marks (out of 4 questions)
iv) Comprehension of passage from text (9 - 16) 2 x 5 = 10 Marks

N.B. : Answer in Sanskrit are to be written either in Odia script or in Devanagari script.

ALTERNATIVE ENGLISH

Ist year (Detailed Syllabus)

FIRST YEAR

Unit -I Prose

i. The Adventure of Learning
ii. Men and Women
iii. Modern Living
iv. Food for Thought

Unit -II Poetry

i. Ecology (A.K.Ramanujan)
ii. Dog's Death (John Updike)
iii. The Fog (W.H.Davies)
iv. Girl Lithe and Tawny (Pablo Neruda)
v. Ballad of the Landlord (Langston Hughes)

Unit -III Short Stories

i. The Rainbow-Bird (Vance Palmer) xi
ii. The Eyes Have it (Ruskin Bond) xii
iii. The little Wife (William March) xiii

Unit -IV One-Act Plays

i. Mother's Day (J.B. Priestley) xvii
ii. The Unexpected (Ella Adkins) xviii

Unit-V GRAMMAR & USAGE

i. Tense and Aspect
ii. Modals
iii. Non-finite verb forms
iv. The Passive

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v. Prepositions and Phrasal Verbs

QUESTION PATTERN AND DISTRIBUTION OF MARKS
ALTERNATIVE ENGLISH +2 IST YEAR

FULL MARK-100 TIME-3 Hrs

1. Reading Comprehension.

a) A prescribed prose piece or extract 10 Marks
(5 questions including inferential questions are to be answered).

b) A prescribed poem / extract
(5 questions including inferential questions and those on poetic devices, figures of speech, mode, tone and style etc.) 10 Marks

c) A prescribed story / one-act play or its extract
(5 questions including Inferential questions and those on literary devices, tone etc.) 10 Marks

d) An unseen passage of at least 200 words. 10 Marks
(5 questions including inferential ones)

2. Reading related skills.

a) Guided note making based on the passage 1 (d) 5Marks

b) Cohesive devices 10 Marks

3. Writing skills.

a) Summarising an unknown passage as given in 1 (d) with caption 10 Marks

b) Reconstruct a story from a given set of questions/fillers/outlines or completion of a story 10 Marks

c) Essay writing
(including branstorming, organizing, outlining, writing first draft and revising) 10 Marks

4. Grammar and usage (in context)
(3 questions on the prescribed grammar units) 10 Marks

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SECOND YEAR

Units -I Prose

i. The Wonder World of Science vi
ii. Our Environment vii
iii. The World of Business viii
iv. The Changing World ix

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Unit -II Poetry

Sl. No.		Units
i.	Indian Children Speak (Juanita Bell)	vi.
ii.	The Goat Paths (James Stephen)	vii
iii.	Of a Questionable Conviction (Jayanta Mahapatra)	viii
iv.	Mirror (Sylvia Plath)	ix
v.	Toads (Phili'p Larkin)	x

Short Stories

Units to be studied :

Sl. No.		Units
i.	The Happy Man (W.S.Maugham)	xiv
ii.	The Tree (Manoj Das)	xv
iii.	The Watch Man (R.K.Narayan)	xvi

One Act Plays

Units to be studies

Sl. No.		Units
i.	The Hour of Truth (Pefciva! Wilde)	xix

C. GRAMMAR & USAGE

i. Revision of Tense and Aspect'

ii. Revision of Prepositions and Phrasal Verbs .

iii. Clause-types

iv. Linking Devices

v. Word Order and Emphasis

Books Prescribed : Approches to English-I

Approches to English-II

Published by - **O**disha State Bureau of Textbook Preparation & Production,Pustak Bhavan Bhubaneswar.

QUESTION PATTERN AND DISTRIBUTION OF MARKS
ALTERNATIVE ENGLISH +2 2ND YEAR

FULL MARK-100 TIME-3 Hrs

1. Reading Comprehension.

a) A prescribed prose piece or extract 10 Marks
(5 questions including inferential questions are to be answered).

b) A prescribed poem / extract
(5 questions including inferential questions and those on poetic devices, figures of speech, mode, tone and style etc.) 10 Marks

c) A prescribed story / one-act play or its extract
(5 questions including Inferential questions and those on literary devices, tone etc.) 10 Marks

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d) An unseen passage of at least 200 words. 10 Marks
(5 questions including inferential ones)

2. Reading related skills.

a) Un Guided note making based on the passage 1 (d) 10 Marks

3. Writing skills.

a) Designing and writing a brochure 10 Marks

b) Writing dialogues of a face-to-face / telephonic conversation. 10 Marks

c) Rewriting a poem/short story as a different form of discourse i.e. a page of a diary, a newspaper report/article or a script for a play etc. 10 Marks

d) Adding a suitable beginning/ending/title to a given poem/story. 5 Marks

4. Grammar and usage(in context)

(3 questions on the prescribed grammar units including modified close tests 15 Marks

ENVIRONMENTAL EDUCATION
(Compulsory)

F.M. 70

Theory.

Unit - I Man and Environment
Unit - II Environmental Pollution
Unit -III Environmental Management
Unit -IV Road Safety.

THEORY

P.M. : 70

UNIT - I **8 Periods**

(A) Man and Environment: Environment: Components: -

Atmosphere, Lithosphere, Hydrosphere and Biosphere- Human being as a rational social partner in environmental action - Impact of human activities on environment - Environmental Problems of urban and rural areas- Stress on civic amenities: supply of water, electricity, transport and health services.

(B) Natural Resources **6 Periods**

Land, water, forest as primary natural resources- Fresh water and Marine resources- Natural resources of Orissa - Concept of Biodiversity and its conservation - Renewable and non-renewable resources - Conventional and non - conventional energy.

UNIT - II **6 Periods**

Environmental Pollution:

Types of pollution;and pollutants-Causes, effects and control of air pollution, water pollution,

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soil pollution and noise pollution, Green house effect, Global Warming, Eutrophication, Ozone layer depletion.

UNIT - III **6 Periods**

(A) Environmental Management:

Scope, of Environmental Management -Management of solid, liquid and gaseous wastes - Resource Management- disaster Management (flood, cyclone and earthquake) - Concept of sustainable development-Management of agricultural produce.

(B) Environmental Laws: **5 Periods**

Constitutional Provisions .-Major provisions of Environmental Laws and Pollution Control Laws with particular reference to the Water Act, 1974, the Air Act, 1981, the E(P) Act 1986, CPCB and SPCB- (Central and State'Pollution Control Boards).

UNIT - IV **5 Periods**

Road Fafety

a) Concept & Need

b) Traffic signs

c) What to do and what not to do while on the road - safety guidelines offence and penalties.

d) Traffic Management: RTO, MVI, Police / Traffic Police

e) Traffic Awareness.

PROJECTS

F.M. : 30

1. To study the changes that have taken place in the given land area of a city,village/locality/ market during the last five years in respect of at least five parameters like number of houses^ residents and families; food habits, number of household goods in a family, consumption of water, electricity and fuel including that of personal vehicles by a family, sources of noise (public address systems being used, television, radio and vehicles on the road), common facilities like number of schools, hospitals, shops, theatres, public conveyance, public utilities, public transport, number of factories, industries and/or the facilities for production and processing of goods, loss of water bodies, types and quantity of wastes, their disposal and treatment facilities with a view to discuss the patterns of changes and impact on the environment and quality of life. One specific project on these aspects may be selected to study the changes that have taken place in a given area during the last five years in respect of the number of houses, residents and families and to prepare a report on the effects on civic amenities like availability of water, electricity and fuel; the drainage system, disposal of wastes including night soil,
2. To study the environmental profile of a town/ locality/village in respect of population density, green cover, educational level of residents, social problems and sources of pollution and their effect on air, water and soil.
3. To collect data on monthly consumption of electricity and fuel from at least five families, any two commercial establishments and four public utilities in a given locality. To plan strategies for educating consumers to economise on the consumption of electricity and fuel by reducing their over-use, misuse and improper use.
4. To study, for a period of one month, the status of sanitary conditions and methods of waste disposal of a given locality vis-a-vis the role of Panchayat, Municipality or

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Corporation and to prepare an action plan for making the conditions more environment friendly.

5. To investigate the impact of an industry or a large manufacturing unit o'n the local environment. The parameters could be land use, the ratio of the covered area and the open space, the raw materials used for production, inputs like electricity and water, the types of waste generated and the modes of waste disposal, use,of environment friendly and efficient technology, types of pollutants emitted or discharged, the average health status of the employees and residents in the area.

6. To study the impact of changes in agricultural practices or animal husbandry including poultry, piggery, fishery and apiculture over a period of time on the local environment of a given locality or village. The components for analysis may include: types of crops, land area under cultivation, mechanisation, use of electricity, mode of irrigation and agrochemicals, agro-waste and their disposal, types of animal breed and their feed, types of shelter and healthcare, methods of preservation and processing of products and animal wastes and their disposal. To suggest an action plan for modifying the prevailing practices so as to make them environment friendly and sustainable.

7. To collect samples of water from different sources and study their physical characteristics like turbidity, colour, odour, the measure of pH, the nature of suspended and dissolved impurities and pollutants, the presence of toxic materials like mercury, lead, arsenic, fluorine and the presence of living organisms. For testing the presence of toxic materials and living organisms, the help of a local laboratory or institution may be taken, if available. To identify the most polluted sample of water and locate the sources of its pollution. To devise an action plan for mobilising public opinion for checking the pollution.

8. To study the practices followed in the region for storage, preservation, transportation and processing of perishable or non- perishable farm products and to assess the extent of their wastage due to faulty practices.

9. To prepare a status report on the prevalence of child labour in a given area through sample surveys on children engaged as domestic help and as workers in farms, commercial establishments and manufacturing units: The survey may be in respect of age group, education, wages, working hours, working conditions, safety in works place, health, handling hazardous materials and the like. Units dealing with hazardous materials and processes may be identified and an action plan for mobilising public opinion against,the practice of child labour may be prepared.

10. To conduct a survey of plants in a locality and to collect information about their cultural, economic and medicinal values from the local people and the available literature. To prepare an action plan for their propagation.

11. Road Safety Project.

(i) To conduct a survey on Traffic Offences and student initiatives to check it.

(ii) To prepare a status report on the prevalence of Traffic - problems in a given area.

(iii) To suggest an action plan for prevention of road accidents,

(iv) To suggest the use of efficient technology for better traffic management.

Environmental Education will be assessed at the college level for 100 marks (70 marks for theory and 30 marks for project work) before Test Examination of the college for Annual

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Higher Secondary Examinationand the grades (A +a, B, C, D, in order of merit) are to be awarded by the college and the same shall be recorded in the body of the pass certificate given by the council subsequently. The grade secured in the Environmental Education (EE) will not affect the result of the candidate.

Mark	Grade
70% and above	Gr A+
60% to 69%	Gr A
50% to 59%	Gr B
35% to 49%	Gr C
Below 35%	Gr D

BOOK PRESCRIBED:

Bureau's Higher Secondary (+2) Environmental Education, Published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

YOGA

(Theory)
+2 1st year

Full Marks - 50 **Time 2 hrs.**

Unit- I **10 marks**

CONCEPT YOGA

Meaning. Definition and Scope of yoga, Importance and aim of yoga for the students, Misconception of Yoga

Yoga and Spirituality

Unit- II 10 marks

BASIC PRINCIPLES OF YOGA PRACTICE

Place, Time, Age, Diet, Dress, Do's and Don'ts

Power of Silence

Unit-III 10 marks

BRANCHES OF YOGA

Karma Yoga, Bhakti Yoga, Raja Yoga, Jnana Yoga

Yoga in Srimad Bhagavat Gita

Unit- IV 10 marks

CONCEPT OF ASTHANGA YOGA

Yama, niyama, asana, pranayama, pratyahara, dharana, dhyana and samadhi

Unit - V 10 marks

YOGA AND PERSONALITY DEVELOPMENT

Meaning, Definition of Personality

Dimension of Personality: physical, mental, emotional, intellectual and spiritual. Personality Development in relation to external world civic, social, patriotic and global consciousness. Concept of Personality According to swami Vivekananda and Sri Aurobindo.**(Practical)**

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+2 2nd year ,

Full Marks - 50 Time 2 hrs.

Unit - I

ASANA

PRILIMINARY PRACTICES : Greeva Sanchalana, skandha chakra (shoulder rotation), purna, titali asana (full butterfly), marjari asana (car stretch pose), Surya Namaskara

STANDING POSTURE : Tadasana, tiryak tadasana, katichakrasana pada-hastasana, ardha chakrasana, ardhakati chakrasana, ekapada pranasmasana, garudasana, natarajasana.

SITTING POSTURE : padmasana janusirasana, paschimottanasana, supta vajrasana, shashankasana, ustrasana, ardhamatsyendrasana.

PRONE LYING POSTURE : shalabhasana, bhujangasana, dhanurasana.

SUPINE POSTURE : uttanapadasana, supta pawanamuktasana, naukasana, halasana, sarvangasana, matsyasana, chakrasana.

Unit-II

RELAXATION : savasana, yoganidra

Unit-III

PRANAYAMA : Priliminary practices: abdominal,
thoracic, clavicular and fullyogic breathing kapalabhati, nadisodhana, bhramari seetali/seetkari

Unit - IV and Unit - V

MEDITATION : Antarmouna - sensorial awareness : (sound, touch, vison, smell, taste), breath awareness, awareness of the spontaneous thought process.

Unit-V

KRIYA : Trataka (internal and external)

For +2 1st year 50 marks theory examination and For +2 2nd year 50 marks practical examination but in 1st year and 2nd year students will learn practical

The grade secured taking together both the theory and Project/Practical marks will be refelected iin the Marks sheet and the pass certificate of the Council.

Mark	Grade
70% and above	Gr A+
60% to 69%	Gr A
50% to 59%	Gr B
35% to 49%	Gr C
Below 35%	Gr D

Books Prescribed : An Introduction to Yoga,
Published by Odisha State Bureau of Textbook Preparation

BASIC COMPUTER EDUCATION

+2 1st Year

UNIT - I

Computer Fundamentals : Necessity and uses of computer, what is computer?, Computer as a system, problem and problem solving technique, Important terminology, Input-Output devices, types of computer, (Digital, Analog, Hybrid, Super computer, Main Frame, Mini, JC, Note Book, and Laptop). Generation of Computer, Computer Memory, (Main, Secondary, Virtual. Buffer, Cache,) Computer Languages and its types. **8 Hours**

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UNIT - II

Operating System: types, software, Dos and Windows : Fundamentals and Commands, Security and Anti-virus

Introduction to MS_OFFICE :

MS-WORD: Creating a File, setting and typing text, page formatting, editing; printing, saving the files, creating Folders, Insertion tables and objects, Bulletin, Page Numbering., spell check, indenting;, paragraph setting and mail merge, CD writing.

MS-EXCEL: Spread sheet and its uses, an introduction, formatting work sheet, setting columns/ Rows, range, Format, protect, sorting, types of graphs, functions and formula, printing text, copying and saving the document.

MS-POWER POINT: Features, Uses, Menus, Toolbars, creating a presentation through auto context wizard, templates, manual slides show, saving, deleting, opening a presentation, Editing.

MS-ACCESS: Data base, database Management system, RDBMS, advantages and limitations of MS- Access, parts, tables, integrity constraints, relationship and designing tables.

5 Hours

UNIT - III

INTERNET AND COMPUTER SECURITY:

Introduction to Internet, net browsing, Emails, Networking and its types, topology, computer crime, components required for internet, saving and printing the web files.

APLLICATIONS: in Education, Medical Science, Business, Entertainment, Social ‘’service’s and Research etc. 7 hours

For +2 1st year 50 marks theory examination and For +2 2nd year 50 marks practical examination. TOTAL HOURS: 30 (THEORY) AND 10 HOURS (PRACTICAL).

+2 2nd Year

PRACTICALS:

DOS, Windows, MS-Office, web page, browsing, sending and creating a mail.

The grade secured taking together both the theory and Project/Practical marks will be reflected in the Marks sheet’ and the pass certificate of the Council.

Mark	Grade
70% and above	Gr A+
60% to 69%	Gr A
50% to 59%	Gr B
35% to 49%	Gr C
Below 35%	Gr D

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LANGUAGE - ODIA

ଇଚ୍ଛାଧୀନ ଓଡ଼ିଆ, କଳାସ୍ରୋତ ନିମନ୍ତେ

ପ୍ରଥମ ବର୍ଷ (୧ମ ଭାଗ)

ପୂର୍ଣ୍ଣ ସଂଖ୍ୟା - ୧୦୦

ସମୟ - ୩ ଘ ।

ପିରିଅଡ଼ ସଂଖ୍ୟା - ସପ୍ତାହିକ - ୪ (ବାର୍ଷିକ ୮୦)

୨୦ ନମ୍ବର

ପ୍ରଥମ ଏକକ (Unit - I) - (୧୬ ପିରିଅଡ଼)

୧. ମଧ୍ୟକାଳନୀ : 'ମଥୁରା ମଙ୍ଗଳ' - ଭକ୍ତଚରଣ ଦାସ, ଛାନ୍ଦ ; ପ୍ରଥମ, ଦ୍ୱିତୀୟ, ତୃତୀୟ ଓ ଚତୁର୍ଥ

- ଏହି ଏକକରୁ ୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉ ର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ ଉ ରଟି ବାଛି ଲେଖିବେ ।
  ଏହାର ମୂଲ୍ୟ ୧ **x** ୫ = ୫ ନମ୍ବର ।
- ୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୩ଟି ଉ ର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୧ **x** ୩ = ୩ ନମ୍ବର ।
- ୩ଟି ୨ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉ ର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୨ **x** ୨ = ୪ ନମ୍ବର ।
- ୨ଟି ୩ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ଗୋଟିଏର ଉ ର ୩୦ଟି ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୩ **x** ୧ = ୩ ନମ୍ବର ।
- ୨ଟି ଦୀର୍ଘ ଉ ରମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ଗୋଟିଏର ଉ ର ୧୫୦ ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୫ **x** ୧ = ୫ ନମ୍ବର ।

ପ୍ରଥମ ଏକକ (Unit - II) - (୧୬ ପିରିଅଡ଼) **୨୦ ନମ୍ବର**

୨. ଆଧୁନିକ କାବ୍ୟ : ନନ୍ଦିକେଶ୍ୱରୀ - କବିବର ରାଧାନାଥ ରାୟ

- ଏହି ଏକକରୁ ୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉ ର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ ଉ ରଟି ବାଛି ଲେଖିବେ ।
  ଏହାର ମୂଲ୍ୟ ୧ **x** ୫ = ୫ ନମ୍ବର ।
- ୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୩ଟି ଉ ର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୧ **x** ୩ = ୩ ନମ୍ବର ।
- ୩ଟି ୨ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉ ର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୨ **x** ୨ = ୪ ନମ୍ବର ।
- ୨ଟି ୩ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ଗୋଟିଏର ଉ ର ୩୦ଟି ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ÷ ୩ **x** ୧ = ୩ ନମ୍ବର ।
- ୨ଟି ୫ ନମ୍ବର ଦୀର୍ଘ ଉ ରମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ଗୋଟିଏର ଉ ର ୧୫୦ ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୫ **x** ୧ = ୫ ନମ୍ବର ।

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ପ୍ରଥମ ଏକକ (Unit -III) - (୧୬ ପିରିଅଡ଼) **୨୦ ନମ୍ବର**

୩. ଉପନ୍ୟାସ : ମଲାଜହ୍ନ - ଉପେନ୍ଦ୍ର କିଶୋର ଦାସ

- ଏହି ଏକକରୁ ୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉ ର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ ଉ ରଟି ବାଛି ଲେଖିବେ ।
  ଏହାର ମୂଲ୍ୟ ୧ **x** ୫ = ୫ ନମ୍ବର ।
- ୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୩ଟି ଉ ର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୧ **x** ୩ = ୩ ନମ୍ବର ।
- ୩ଟି ୨ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉ ର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୨ **x** ୨ = ୪ ନମ୍ବର ।
- ୨ଟି ୩ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ଗୋଟିଏର ଉ ର ୩୦ଟି ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୩ **x** ୧ = ୩ ନମ୍ବର ।
- ୨ଟି ୫ ନମ୍ବର ଦୀର୍ଘ ଉ ରମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ଗୋଟିଏର ଉ ର ୧୫୦ ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୫ **x** ୧ = ୫ ନମ୍ବର ।

ପ୍ରଥମ ଏକକ (Unit -IV) - (୧୬ ପିରିଅଡ଼) **୨୦ ନମ୍ବର**

୪. ରାଜହଂସ - ଡକ୍ଟର ରତ୍ନାକର ଚଇନି

- ଏହି ଏକକରୁ ୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉ ର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ ଉ ରଟି ବାଛି ଲେଖିବେ ।
  ଏହାର ମୂଲ୍ୟ ୧ **x** ୫ = ୫ ନମ୍ବର ।
- ୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୩ଟି ଉ ର ଗୋଟିଏ ବାକ÷ରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୧ **x** ୩ = ୩ ନମ୍ବର ।
- ୩ଟି ୨ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉ ର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୨ **x** ୨ = ୪ ନମ୍ବର ।
- ୨ଟି ୩ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ଗୋଟିଏର ଉ ର ୩୦ଟି ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ÷ ୩ **x** ୧ = ୩ ନମ୍ବର ।
- ୨ଟି ୫ ନମ୍ବର ଦୀର୍ଘ ଉ ରମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ଗୋଟିଏର ଉ ର ୧୫୦ ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୫ **x** ୧ = ୫ ନମ୍ବର ।

ପ୍ରଥମ ଏକକ (Unit -V) - (୧୬ ପିରିଅଡ଼) **୨୦ ନମ୍ବର**

୫. ବ୍ୟାକରଣ :

୧) ବାକ୍ୟ ପ୍ରକାରଭେଦ ଓ ପରିବ ର୍ତ୍ତନ ।

୨) ଛନ୍ଦ (ମିତ୍ରାକ୍ଷର ଓ ଅମିତ୍ରାକ୍ଷର)

- ଏହି ଏକକରୁ ୧୫ଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧୦ଟି ପ୍ରଶ୍ନର ଉ ର ଗୋଟିଏ ବାକ୍ୟ ବା ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୧ **x** ୧୦ = ୧୦ ନମ୍ବର ।
- ଏହି ଏକକରୁ ୩ଟି ଦୀର୍ଘ ଉ ରମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉ ର ଦେବାକୁ ହେବ ।
  ଏହାର ମୂଲ୍ୟ ୫ **x** ୨ = ୧୦ ନମ୍ବର ।

ପାଠ୍ୟଗ୍ରନ୍ଥ - ସାହିତ୍ୟ ଦୀପ୍ତି, ପ୍ରଥମ ଭାଗ

ଓଡ଼ିଶା ରାଜ୍ୟ ପାଠ୍ୟ ପୁସ୍ତକ ପ୍ରଣୟନ ଓ ପ୍ରକାଶନ ସଂସ୍ଥା, ଭୁବନେଶ୍ୱର

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BENGALI

ELECTIVE

FIRST YEAR

There shall be one paper carrying 100 marks and of three hours duration in elective Bengali in the first year consisting of our units.

The Examination of the first year shall be conducted at the end of the XI class at college / H.S. School level.

Detailed Studey : (To be taught in the 1st Year)

UNIT-I

Poetry:

Naibedya - Rabindranath Tagore the following

pieces to be studied -

1. Pratidina Ami He Jibonswami
10. Jara Kache Ache
20. Tomaro Pataka Jare dao
27. Dehe Ar Mare prane
50. E Durbhagya Desh Hote

1 x 10 = 10

UNIT - II

History of Bengali Literature

Topics to be taught:-

Charyapada, Kabikankan Mukundaram and Chaitanya Sahitya

1 x 10 = 10

1 x 5 = 5

Total Marks = 25

UNIT - III

Short - Story

Bangla Galpa Sangraha - Mahashareta Devi

pieces to be taught:

1. Chhuti - Rabindranath Tagore
2. Mahesh - Sarat Ch. Chattopadhyay
3. Adarini - Pravat Kr. Mukhopadhyay
4. Kalapahar - Tarasankar Bandopadhyay

1 x 10 = 10

1 x 10 = 10

1 x 5 = 5

Total Marks = 25

4 x 5 = 20

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UNIT - IV

Grammer:

Proverb and Idioms Common errors in words

Make distributions :

UNIT-II

Two Long question with alternative

One Explanation / Short type questions with alternative

Proverb / idioms 5 x 3 = 15

Grammer errors 5 x 2 = 10

Total Marks = 25

UNIT-II

One Long question

One Short questions / Explanation

UNIT-III

One long question

One short Answer type question

UNIT-IV

Grammer

Proverb & Idioms Errors

SECOND YEAR

There shall be one paper carrying 100 marks and of three hours duration in elective Bengali in the first year consisting of four units.

The Examination of the first year shall be conducted at the end of the XII class at college / H.S. School level.

Detailed Study : (To be taught in the 1st year)

UNIT-I

Naibedya - Rabindranath Tagore

Pieces to be studied -

30. Bairagya Sndhna Mukti
45. Je Bhakti Tomare Loye
72. Chitta Getha Bhayashynya
90. Mrityno Angyata Mor

UNIT-II

History of Bengali Literature

Topics to be taught :-

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History of Bengali Prose to be Fortwilliom Vidyasagar, Raja Ram Mhoan Ray as a Novelist Tarasankar & Manik Banodopadhay.

UNIT-III

Short - Story

Galpa Guchha By Rabindra Nath Tagore.

Pieces to be taught:

Post Master, Dena paona, Khokababur Pratya, Bartan, Kabaliwala

UNIT-IV

Grammer

Alankar - Arupras, Yamak, Slesha, Upama, Rupak, Utprekshya

Make distributions :

UNIT-II

Two Long question with alternative

One Explanation / Short type questions with alternative

UNIT-II

History of Bengali Literature

Two Long question with alternative

UNIT-III

Short Story

Two Long question with alternative

Two Long question with alternative

One short Answer type question

UNIT-IV

Grammer

(i) Defination

(Short Answer type Question)

(ii) Eassy

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Question Pattern & Distribution of Marks

Group - A

(Objective type)

(i) Multiple choice Ten questions from Unit - I, II & IV 1 x 10 = 10

(ii) One Word Answer type fifteen questions from Unit - I II & IV 1 x 15 = 15

(iii) Correct the sentences ten questions from Unit - IV 1 x 10 = 10

(iv) Fill in the blanks five questions from Unit - I, II & IV 1 x 05 = 05

Group - B

(Short answer type)

(i) Short four to five lines answer type five questions from Unit - I, II, II 3 x 15 = 15

(Eight questions may be asked)

(ii) Explain only (only with in two to three sentences) from Unit - I, II 3 x 5 = 15

(Eight questions may be asked)

Group - C

(Long answer type)

(i) Long ten to twelve line answers type six questions from Unit - I, II, III 5 x 6 = 30

(Ten questions may be asked)

Total = 100

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Question Pattern & Distribution of Marks

Group - A

(Objective type questions)

(i)	Multiple choice	(Proetry - I, Prose - II)	1 x 10 = 10
(ii)	One word answer	(I, II & IV)	1 x 15 = 15
(iii)	Correct the sentences from text	(II & IV)	1 x 10 = 10
(iv)	Fill in the blanks	(I, II & IV)	1 x 05 = 05

Total Marks = 40

Group - B

(Short answer type questions)

(i) Short answer type 4-5 sentences from Unit - I, II, II 3 x 15 = 15

(Eight questions may be asked)

(ii) Explain only (only with in two to three sentences) from Unit - I, II 3 x 5 = 15

(Eight questions may be asked)

Total Marks = 30

Group - C

(Long answer type)

(i) Long ten to twelve line answers type six questions from Unit - I, II, III 5 x 6 = 30

(Ten questions may be asked)

Total = 100

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CHSE EXAMINATION : ARTS

LANGUAGE -HINDI - II (ELECTIVE)

SECOND YEAR

DETIALED SYLLABUS

Time : 3 Hours **F.M, - 100**

साहित्य साधना

पाठ्यपुस्तक प्रणयन संस्था, ओडिशा, भुवनेश्वर

UNIT - I

काव्य : रश्मिरथी - दिनकर (केबल, ४, ६, ७ सर्ग)

UNIT - II

तथा कहानियें की एक संकलन पुस्तक होगी

गद्य : (i) बालमुकुन्द गुप्त - बनाम लर्ड कर्जन

(ii) रामचन्द्र शुक्ल - करुणा

(iii) मंद्रदलारे बाजपेयी - भारतीय साहित्य को एकता

(iv) हरशिंकर परसाई - भेडें और भेडियें

UNIT - III

कहानी : (i) अज्ञेय - शरणदाता

(ii) दशपाल - आदमी का बच्चा

(iii) अभस्कत - दोपहर का भोजन

(iv) मल भंजरी - नई नौकरी

UNIT - IV

ब्यकरण : (i) संज्ञा, लिंग, बचन, कारक, बिभक्ति

(i) अनुवाद, (पॉच अंग्रेजी वाक्यों का हिंदी में अनुवाद)

Question Pattrn

Distribution of Marks

Group A - Objective type question

Poestry / Prose

(i) Multiple Choice	I II	= 1 × 10 = 10
(ii) On ward mark	I II IV	= 1 × 15 = 15
(iii) Correct the sentence from text	II IV	= 1 × 10 = 10
(iv) Fill in the blanks I	II IV	= 1 × 05 = 05

Group B - Short answer type question

(i) Short answer (4-5 sentences) from Unit - I, II, III = 3 × 5 = 15

(right question may be asked)

(ii) Equlavation (2-3 sentences) for Unit - I & II = 3 × 5 = 15

(eight question may be asked)

Group C - Any answer type question

(i) Long answer (10-12 sentences) = 5 × 6 = 30

(Six question for I II III)

(Ten questions may be asked)

Total 100

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Hindi (Electivie)
CHSE Examination - Arts
Language : Hindi-I (Elective)
First year
Detailed syllabus

Time : 3 hours **Full Marks - 100**

Unit - I

उपन्यास :

प्रमचन्द - निर्मला

Unit - II

नाटक :

प्रसाद - ध्रुचस्वामिनी

Unit - III

साहित्यिक विधाएँ :

उपन्यास, कहानी, नाटक, संस्करण, रिपोतजि, जीवनी, आत्मकथा

(i) कारक - विभक्ति

(ii) पदबंध और वाक्य रचना

संदर्भ पुस्तकें

1. गुलाब रा् - कारके रूप
2. हजारी प्रसाद द्विवेदी - साहित्य सहचर
3. वासुदेवनन्दन प्रसाद - हिन्दी व्याकरण और रचना

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Question Pattern & Distribution of Marks

Group-A (Objective type)

(i) Multiple choice Ten questions from Unit-I, II & IV	1 x 10 =10
(ii) One word answer type fifteen questions from Unit-I, II & IV	1 x 15=15
(iii) Correct the sentences Ten questions from Unit-IV	1 x 10 = 10
(iv) Fill in the blanks five questions from Unit-I, II & IV	1 x 05 = 05

Group- B (Short answer type)

(i) Short four to five lines answer type five questions from Unit-I, II, III (Eight questions may be asked)	3 x 5 = 15
(ii) Explain only (Only Arth in two to three sentences) from Unit - I, II (Eight questions may be asked)	3 x 5 =15

Group C (Long anser type)

(i) Long ten to twelve line ansers type six questions from Unit - I, II, III (Ten questions may be asked)	5 x 6 =30
Total	**100**

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TELUGU

ELECTIVE

FIRST YEAR

For the year 2016-17

Time-3 hours No of periods per eweek - 4

Full Marks -100

There shall be one paper carrying 100 marks of three hours duration consisting of Four units. The examination shall be conducted at the end of First year of College/H.S.School.

Disstribution of Marks

Group - A (Objective Type)

1. Thirty very short questions (from unit l,ll&lll)
..... 30 x 1 = 30 marks
2. Ten very short questions (from unit l,ll&lll)
.....10Xl = 10marks

Group -B (Short Type)

3. Six short questions (from unit l,ll&lll)
.....**6** X 2 = 12 marks
4. Four Explanations (only Bhavartha from unit I & II)
.....4X2 = 8 marks
5. Five short questions (from unit IV-A)
.....5 X 2 = lOmarks

Group - C (Long Type)

6. Three long questions with alternative (from Unit 1,11 & III)
.....3 X 7 =21marks
7. One Long Question(from unit IV -B)
.....1 X 9 =9marks

Total = 100 marks

TOPICS TO BE STUDIED

Unit - I Poetry : (25 periods)

l.	Satyabhama Santwanam	-	Nandi Timmana
2.	Sankranti	-	Tummala Seetarama Murty
3.	Sainikudi Uttaram	-	Balagangadhara Tilak
4.	Lakuma Tyagamu	-	Dr.C.Narayanareddy

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Unit-II Prose : (25 Periods)

l.	Nachana somuni Naveena Gunamulu	-	Rallapalli Anantakrishna Sarma
2.	Maharastrulu Andhra Bhashaseva	-	Vidwan Vemuri Venkataramayya
3.	Margadarsi Gurajada	-	Sreepada Subramanya Sastri
4.	Gramanama Vignyanamu	-	Dr. Singupuram Narayana Rao

Unit-Non-detail: (10 Periods)

Varadu - Dr Kandimalla Sambasiva Rao

Unit-IV (A)Grammer : (10 Periods)

Samskruta sandhulu: Savarnadeergha, Guna, Anunasika, Pararupa.

Telugu sandhulu: Dwiruktatakara, Gasadadavadesa, Saraladesa, Amredita, Trika,

Samasamulu: Tatpurusha, Karmadharaya, Dwigu, Dwandva, Bahuvreehi, Avyayeebhava.

TOPICS TO BE STUDIED

Unit - I Poetry : (25 periods)

l.	Prahlada Charitra	-	Bammera Potana
2.	Sreekalahasteeswara	-	Dhurjati Mahakavi
3.	Vasanta Vikasamu	-	Rayaprolu Subbarao
4.	Desacharitralu	-	Sri Sri
5.	Samunmeshamu	-	Jandhyala Papayya sastry

Unit-II Prose : (25 **Periods)**

l.	Desabhimanam	-	Kandukuri Veeresalingam
2.	Reddyyugamu Andhravaknmayamu	-	Mallampalli Somasekhara sarma
3.	Mahakavi Gurajada	-	Dr.Singupuram Narayana Rao
4.	Telugunatakam Janapadakalarupalu	-	Dr.Kandimalla Sambasiva Rao

Unit-Non-detail: (10 Periods)

Devayani - Chundi Venkanna Rao

Unit-IV (A)Grammer : (10 Periods)

Chandassu: Utpalamala, Champakamala, Sardhulamu, Mathebhamu , Kandamu, Tetageeti, Ataveladi.

Alankaramulu: Upama, Rupaka, Utpreksha, ARdhantaranyasa, Atisayokti, Swabhavokti,

(B) History of Telugu Literature :(10 Periods)

Some Knowledge about the following Poets and their writings:

Nannaya, Tikkana, Yerrana, Sreenadha, Potana, Rayalu, Tenali Ramakrishna, Vemana, Kandukuri, Gurajada, Rayaprolu, Sri Sri.

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Unit - IV (A)Grammer : (10 Periods)

Vibhaktulu - Pratyayalu, Prakruti -Vikrutulu, Vyatireka padamulu, Paryaya padamulu, Jateeyalu- padabandhalu.

(B) Letter writing/General Essay :(05 Periods)

MIL (TELUGU)

SECOND YEAR

(Compulsory)

For the year 2016-17

Time-3 hours **No of periods per week : 4**

Full marks - 100

There shall be one paper carrying 100 marks of three hours duration consisting of Four units. The examination shall be conducted at the end of Second year of College/H.S.School.

Disstribution of Marks

Group - A (Objective Type)

l. Thirty very short questions (from unit 1,11 &111 ..... 30 x 1 = 30 marks

2. Ten very short questions (from unit IJI&III) .....10 X 1 = 10 marks

Group -B (short Type)

3. Six short questions (from unit I, III & III) .....6 X 2 = 12 marks

4. Four Explanations (only Bhavartha from unit I & II) .....4X2 = 8 marks

5. Five short questions (from unit IV-A) .....5X2 = l0marks

Group - C (Long Type)

6. Three long questions with alternative (From unit I, II &III) .....3X7 = 21marks

7. Re -Translation (from unit IV -B) .....1 X 9 = 9marks

Total = 100 marks

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Arts Stream

URDU

ELECTIVE

FIRST YEAR

Total Classes-80

Time- 3 hrs. **F.M. - 100**

There Shall be one Paper carrying 100 marks consisting of 3 (three) groups and duration of examination will be of 3 (three) hours at the C.H.S.E. / H.S.E. level.

Distribution of marks

GROUP - A

30 MARKS

Very Short Type Answers.

Q. 1. Objective type questions from all units Prose, Drama and Novel.

A. Five objective questions from prose portion "Tanweer-E-Adab.

1 × 5 = 5 Marks

B. Five objective type questions from Drama portion.

1 × 5 = 5 Marks

C. Five objective type questions from Novel portion.

1 × 5 = 5 Marks

Total = 15 Marks

Grammar

Q. 2.

A. One word answer five questions.

1 × 5 = 5 Marks

B. Very short answer five questions.

1 × 5 = 5 Marks

C. Fill in the Blanks five questions.

1 × 5 = 5 Marks

Total = 15 Marks

GROUP-B

40 MARKS

Short Type Answers.

Q. 3. Answer within two/three sentences.

A. Rustam-O-Sohrab : Six questions to be answered out of eight questions.

6 × 2 = 12 Marks

B. Tanweer-e- Adab : Five questions to be answered out of seven questions.

5 × 2 = 10 Marks

Total = 22 Marks

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Q. 4. Answer within six sentences.

Numainda Mukhtesar Afsane: Six questions to be answered out of eight questions.

3 × 6 = 18 Marks

GROUP-C

30 MARKS

Long type answers.

Q. 5. Four questions to be answered out of six questions from the books Tanweer-E-Adab, Rustam-o-Sohrab, Numainda Mukhtesar Afsane and Firdous Bareen or, Nirmala.

Unit -1

30 Classes

Books Prescribed : History of Urdu Literature (Prose).

TANWEER-E-ADAB.

by : Saghir Ahmad Jaan.

only chawtha daur and panchuan daur.

Unit-2

15 Classes

Books Prescribed : Drama

RUSTAM-O-SOHRAB.

by: Agha Hashar.

Unit-3

20 Classes

Books Prescribed : Short Stories

NUMAINDA MUKHTESAR AFSANE.

by : Taher Farooqui

Portions to be studied :

i. I.C.S, ii. Jine ke Liye, iii. Kale Sahab, iv. Foot Path,
v. Atthare Ane, vi. Sirf Ek Ana.

Unit-4

15 Classes

Books Prescribed : Novel

i. FIRDOUS BAREEN.

by : Abdual Halim Sharar.

OR

ii. NIRMALA.

by: Prem Chand.

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Arts Stream

SECOND YEAR

Total Classes-80

Time - 3 hrs

F.M. - 100

There Shall be one Paper carrying 100 marks consisting of 3 (three) groups and duration of examination will be of 3 (three) hours at the C.H.S.E. / H.S.E. level.

Distribution of marks

GROUP - A

30 MARKS

Very Short types Answers.

Q. 1. Objective type question from all units.

A. Five objective type questions from prose portion Kalam-E-Mir.

1 × 5 = 5 Marks

B. Five objective type questions from Chand Ham Asar.

1 × 5 = 5 Marks

C. Five objective type questions from Kalam-E-Mir.

1 × 5 = 5 Marks

Total = 15 Marks

Grammar

Q. 2.

A. One word answer five questions.

1 × 5 = 5 Marks

B. Very short answer five questions.

1 × 5 = 5 Marks

C. Fill in the Blanks five questions.

1 × 5 = 5 Marks

Total = 15 Marks

GROUP - B

40 MARKS

Short Type Answers.

Q. 3. Answer within two/three sentences.

Chand Ham Asar : 7(Seven) Chapters.

Eleven questions to be answered out of Fifteen questions.

11 × 2 = 22 Marks

Q. 4. Answer within six sentences

Kalam-E-Meer: Six Ashaars explanation to be answered out of eight Ashaars.

3 × 6 = 18 Marks

GROUP-C

30 MARKS

Long type answers

Q. 5. Four questions to be answered out of six questions from the books Kalam-E-Meer, Chand Ham Asar, illmulbalaghat, urdu-zoban-o-Qawaid Part-1 and general essay.

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Unit -1

35 Classes

Books Prescribed :

KALAM-E-MEER

by : Dr. Abdul Haque or Abdul Mannan Bedil.

Portions to be studied :

(a) Life and Style of the poet.
(b) Ghazaliyat "Radif Alif and Yaa".
(c) Masnavi.
i. Jhoot, ii. Duniya, iii. Gharki Barbadi, iv. Mienh ki Tughyani, v. Ghar ka Haal.

Unit-2

15 Classes

Books Prescribed :

CHAND HAM ASAR

by : Maulana Abdul Haque

Portions to be studied :

i. Sayed Mehmud Marhoom
ii. Maulvi Chairag Ali Marhoom
iii. Maulana Waheedudin Salim
iv. Gudrika Laal, Noor Khan
v. Mohesnul Mulk
vi. Maulana Mohammed Ali Marhoom
vii. Hali

Unit-3

30 Classes

Books Prescribed : Grammar.

A. ILLMULBALAGHAT

Portions to be studied :

i. Tashbeeh
ii. Istiara
iii. Kinaya
iv. Talmeeh
v. Miratun Nazir
vi. Husn-E-Talab
vii. Tazad
viii. Taaliel
ix. Mobaligha
x. Majaz

B. URDU ZABAN-O-QAWAID PART-1

by : Shafi Ahmed Siddiqui

Portions to be studied :

i. Sabque aur lahaque
ii. Tazkir-O-Tanis
iii. Mutazad Alfaz
iv. Mahawara

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SANSKRIT

(Elective)

FIRST YEAR

There shall be one paper carrying 100 marks.
The duration of Examination will be of three hours.

COURSE STRUCTURE

		Marks allotted
(a)	Reading skill	20
(b)	Writing skill	40
(c)	Literary text	40
		Total 100 Marks

Topics		**Classes required**
(a)	Poetry	30
(b)	Prose	25
(c)	History of Sanskrit Literature	10
(d)	Grammar and Translation	15
		Total 80 classes

PORTION TO BE STUDIED

(a) Poetry - Kumarasambhavam of Kalidasa (Canto V)
कुमारसम्भबम् (पञ्चम सर्ग:)

(b) Prose - Sanskrutamandakini (Gadyabhagah)
संस्कृतमन्दाकिनी (गद्यभाग:)

01. उपमन्यु कथा (Upamanyukatha)
02. परहितसाधनम् (Parahitasadhanam)
03. मुद्रिकाप्राप्ति (Mudrikapraptih)
04. चन्द्रभूपतिकथा (Chandrabhupati Katha)
05. ससोमिराकथा (Sasemirakatha
06. धृवोपाख्यानम् (Dhruvopakhyanam)
07. विभीषणस्य राबणं प्रति उपदेश: (Vibhisanasya Ravanam prati upadesah)

(c) History of Sanskrit literature
History of the following authors and their works are to be studied.

01. वाल्मीकि - Valmiki
02. व्यास - Vyasa
03. कालिदास - Kalidasa
04. भास - Bhasa

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05. विष्णुशर्मा - Visnusarma
06. पण्डित नायायन - Pandita Narayan
07. चाणक्य - Canakya
08. जयदेव - Jayadeva
09. विशवनाथकविराज - Visvanath Kaviraja
10. मुरारि मिश्र - Murari Mishra

(d) Translation into Odia/English from the text (Prose and Poetry)

(e) Grammar

01. Grammar from Prose and Poetry
   (i) समास (Samasa)
   (ii) कारक-विभक्ति (Karaka - vibhakti)
   (iii) प्रकृति प्रत्यय (Prakruti-pratyaya)

02. Topics from the Grammar text
   (i) कृदन्त - (Krudanta) - शतृ, शानच्, तव्य, अनीयर्, क्त, क्तगतु, कत्वा, ल्यप्, तुमुन्, कितन्, घञ्, खल्
   (ii) तद्धित - (Tadhita)
   (iii) वाच्यपरिवर्तन - (Vachyaparivartana)
   (iv) वाक्यरचनम् - (Sentence formation)
   (v) भ्रमसेंशोधन - (Correction of sentences)
   (vi) णिजन्त - (Nijanta)

BOOKS RECOMMENDED :

1. संस्कृतमन्दाकिनी - Published by Odisha State Bureau of Text Book Preparation and Production
2. संस्कृतसाहित्य-ईतिहास - History of Sankrit literature by A.B. Keith, Published by Odisha State Bureau of Text Book Preparation and Production.
3. व्याकरणदर्पण: - Published by Odisha State Bureau of Text Book Preparation and Production
4. कु संस्कृतकवि-परम्परा - Published by Odisha State Bureau of Text Book Preparation and Production
5. कुमारसम्भवम् - Published by Odisha State Bureau of Text Book Preparation and Production

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QUESTIONS PATTERN AND DISTRIBUTION OF MARKS

SANKRIT (ELECTIVE)

FIRST YEAR

1. Reading skill : [20 Marks]
   - (i) Multiple choice questions from Prose and Poetry (3 + 2) [1 × 5 = 5 Marks]
   - (ii) Very short type questions from Prose and Poetry (2 + 3) [1 × 5 = 5 Marks]
   - (iii) Short questions from Prose and Poetry (1 + 1) [2 × 2 = 4 Marks]
   - (iv) Questions from Prose and Poetry (1 + 1) [3 × 2 = 6 Marks]
     (out of four (4) questions)

2. Writing skill : [40 Marks]
   - (i) Questions from the Grammar text [10 Marks]
     - (a) Krdanta [1 × 2 = 2 Marks]
     - (b) Nijanta [1 × 2 = 2 Marks]
     - (c) Vachyaparivartana [1 × 2 = 2 Marks]
     - (d) Vakyarana [1 × 2 = 2 Marks]
     - (e) Bhrama sansodhana [1 × 2 = 2 Marks]
   - (ii) Translation of verse into Odia / English from Poetry text [4 × 1 = 4 Marks]
     (out of two verses)
   - (iii) Translation of one passage into Odia / English from Prose text [6 × 1 = 6 Marks]
   - (iv) Two questions from Poetry text [5 × 2 = 10 Marks]
   - (v) Two questions from Prose text (out of four)[5 × 2 = 10 Marks]

3. Literary text[40 Marks]
   - (i) Questions from text (Prose and Poetry) [10 Marks]
     - (a) Samasa [2 × 2 = 4 Marks]
     - (b) Karaka-vibhakti [1 × 3 = 3 Marks]
     - (c) Prakrti-prataya [1 × 3 = 3 Marks]
   - (ii) Explanation of a verse (Poetry) [6 × 1 = 6 Marks]
   - (iii) Two short question from Poetry [4 × 2 = 8 Marks]
   - (iv) One long question from Poetry [8 × 1 = 8 Marks]

N.B.: The questions may be answered in Sanskrit or Odia or English if not otherwise specified.

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SANSKRIT
(Elective)

SECOND YEAR

There shall be one paper carrying 100 marks.
The duration of Examination will be of three hours.

COURSE STRUCTURE

		Marks allotted
(a)	Reading skill	20
(b)	Writing skill	40
(c)	Literary text	40
		Total 100 Marks
Topics		**Classes required**
(a)	Drama	35
(b)	Poetry	25
(d)	Grammar and Translation	20
		Total 80 classes

PORTION TO BE STUDIED

(a) Drama - Suapnavasavadattam of Bhasa
स्वप्नवासवदत्तम्

(b) Poetry - Samskrtamadakini (Prathambhagah)
संस्कृतमन्दाकिनी (पद्यभाग:)

01. चाणक्यनीति: - Canakyanitih (Verses 01 to 24)

02. रघुबंशम् - Raghuvamsam (Verses 01 to 20)

03. दमयन्तिस्वयंवर: - Damayantisvayamvarah

(c) Gramar

01. Gramar from Drama Poetry
- (i) कारक-विभक्ति (Karaka - vibhakti)
- (ii) सान्धि - सन्धिविच्छेद (Sandhi - Sandhivichheda)
- (iii) समास (Samasa)

02. Topics from the Grammar text
- (i) शब्दरुप (Sabdarupa) - देव, कवि, पति, शखि, भ्रातृ, वणिक्, सम्म्राट्, गच्छत्, भवत्,
  महत्, सुदृढ्, राजन्, गुपिन्, पथिन्
- (ii) स्त्रीलिङ्गं (Strilinga) - लता, मति, नदी, स्त्री, वधू, मातृ, दिश्, विपद्
- (iii) क्लीवलिङ्ग (Klivalinga) - फल, वारि, अक्षि, मधु, कर्मन्, नामन्, पयस्
- (iv) सर्वनाम (Sarbanama) - तद्, किम्, इदम्, सर्व, युष्मद्, अस्मद्
- (v) संख्यावाचक (Samkhyavacaka) - एक, द्वि, त्रि, चतुर, पञ्चन्

03. धातुरूप (Dhaturupa) - भू, गम्, दृश्, कृ, पठ्, अस्, ज्ञा, नी, पा, प्रच्छ्, लभ्, दा, विद्, पूज्

04. स्त्रीप्रत्यय (Stripratyaya)

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BOOKS RECOMMENDED :

1. संस्कृतमन्दाकिनी - Published by Odisha State Bureau of Text Book Preparation and Production
2. व्याकरणदर्पण: - Published by Odisha State Bureau of Text Book Preparation and Production
3. स्वप्नवासवदत्तम् - Published by Odisha State Bureau of Text Book Preparation and Production

QUESTIONS PATTERN AND DISTRIBUTION OF MARKS

SANKRIT (ELECTIVE)

SECOND YEAR

1. Reading skill : [20 Marks]
   - (i) Multiple choice questions from Drama and Poetry (3 + 2) [1 × 5 = 5 Marks]
   - (ii) Very short type questions from Drama and Poetry (2 + 3)[1 × 5 = 5 Marks]
   - (iii) Short questions from Drama and Poetry (1 + 1) [2 × 2 = 4 Marks] (out of four (4) questions)
   - (iv) Questions from Drama and Poetry (1 + 1) [3 × 2 = 6 Marks] (out of four (4) questions)

2. Writing skill : [40 Marks]
   - (i) Questions from the Grammar text [10 Marks]
     - (a) Sabdarupa [1 × 4 = 4 Marks]
     - (b) Dhaturupa [1 × 4 = 4 Marks]
     - (c) Stripratyaya [1 × 2 = 2 Marks]
   - (ii) Translation of verse into Odia / English from Drama and Poetry [4 × 1 = 4 Marks] (out of two verses)
   - (iii) Translation of unseen passage from Odia / English to Sanskrit[6 × 1 = 6 Marks]
   - (iv) Two questions from Drama (out of four) [5 × 2 = 10 Marks]
   - (v) Two questions from Poetry (out of four) [5 × 2 = 10 Marks]

3. Literary text[40 Marks]
   - (i) Questions from text (Drama and Poetry) [10 Marks]
     - (a) Karaka-vibhakti [1 × 3 = 3 Marks]
     - (b) Sandhi vichheda [1 × 3 = 3 Marks]
     - (c) Samasa [2 × 2 = 4 Marks]
   - (ii) One questions from Drama [4 × 1 = 4 Marks]
   - (iii) Explanation of a verse (Poetry) [6 × 1 = 6 Marks]
   - (iv) One long question from Drama [10 × 1 = 10 Marks]
   - (v) One long questions from Poetry [10 × 1 = 10 Marks]

N.B.: The questions may be answered in Sanskrit or Odia or English if not otherwise specified.

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HISTORY

First Year (Paper-I)

History of the World

UNIT-I

1. History : Meaning and Relevance
2. History of Human Evolution :
   a) The Precursor of Modern Human Beings
   b) Modern Human Beings :
      i. Early Humans ways of obtaining food.
      ii. Habitat -Trees to caves and open air sites.
      iii. Making of tools
      iv. Modes of communications - Language and art.
   c) Epilogue - Domestication of animals, plants; Development of farming and pastoralism as a way of life.
3. Contributions of Ancient River Valley Civilisation :
   a) Egypt
   b) Mesopotamia
   c) China

UNIT - II

1. Ancient Greece :
   a) Rise of city states - Athens and Sparta.
   b) Evolution of Direct Democracy
   c) Age of Pericles.
2. Ancient Rome :
   a) Society : Composition, Gender, Literacy, Culture, Economic Expansions, Slavery.
   b) Roman Constitution
   c) Julius Caesar : Achievements
3. Feudalism in Europe : Features, Merits and Demerits.

UNIT - III

1. Major religions :
   a) Christianity
   b) Islam
2. Science and Changing Cultural Traditions in Europe between 11th and 17th Centuries : New Ideas and New Trends in Science, Literature and Art.
3. European Voyages of Explorations (15th to 17th Centuries).

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4. Civilisations in Americas : Maya, Aztek and Inca.

UNIT-IV

1. Innovations and Technological changes : Industrial Revolutions.
2. American War of Independence : Causes and Consequences.
3. French Revolution of 1789 : Causes and Significance.

UNIT-V

1. World War-I : Causes and Consequences.
2. Russian Revolution of 1917 : Causes and Significance.
3. Events leading to the World War-II.
4. United Nations : Origin, Objectives and Structure.

2nd Year (Paper-II)

History of India

UNIT-1

1. Sources of Indian History : Archaeological, Literary, Foreign Accounts and Archival
2. Foundation of Indian Culture :
   a) Harappan culture : Discovery, Geographical extent, Town planning, Structures, Agriculture, Domestication of Animals, Technology and Craft, Trade, Contact wllh distant lands, Scripts, Weights, Measurement, Religious beliefs, Seals.
   b) Rig Vedic and Later Vedic Age - Socio-Economic life, Political organization, Religious Beliefs, Position of Women.
3. The Earliest states : Sixteen Mahajanapadas.

UNIT-II

1. Religious Movements of Sixth Century B.C. - Jainism and Buddhism : A critical evaluation of the Teachings, Contribution to Indian culture,
2. Kalinga War - Causes and Effects; Mauryan Administration.
3. Cultural Attainments of the Gupta Age.

UNIT-III

1. Perceptions of society through the eyes of the Travellers (10th to 17th centuries).
   a) Al-Biruni
   b) Ibn Battuta
   c) Francois Bernier
2. Delhi Sultanate : Nature of State, Social structure, Position of Women.

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3. Culture of Mughal Age : Social structure, Position of Women, Art and Architecture, Paintings, Din-i-Ilahi.
4. Sufi and Bhakti Movements : Tenets, Impact on Indian Society.

UNIT-IV

1. British Economic Policies in India (1757-1857 A.D.) : Commercial Policy, Drain of Wealth, Development of means of Transport and Communication; Revenue Policy.
2. Revolts against British Colonialism - Sanyasi Rebellian, Khurda Rebellion of 1817, Santal Rebellion (1855-56), The Great Indian Revolt of 1857.
3. Mahatma Gandhi and National Struggle for Independence :
   a) Non-Cooperation Movement and its response in Odisha.
   b) Civil Disobedience Movement and its response in Odisha.
   c) Quit India Movement and its response in Odisha.

UNIT-V

1. Colonial Cities - Urbanisation, Planning and Architecture :
   a) Towns and Cities in pre-colonial times.
   b) Changes in 18th century.
   c) Trends of changes in the 19th century
   d) Ports, Forts and Centres for Services
   e) A new urban milieu
   f) The First Hill Stations
   g) Social life in new cities.
   h) Colonial Architecture in Calcutta (Kolkata), Bombay (Mumbai) and Madras (Chennai).
2. Formation of the Province of Odisha.
   a) Movement for Linguistic Identity.
   b) Events leading to the formation of the province
3. Contributions of (a) Madhusudan Das, Gopabadhu Das, Krushna Chandra Gajapati, (b) Sarla Devi, Rama Devi and Malati Devi.
4. Framing the Indian Constitution :
   a) Making of the Constituent Assembly.
   b) Vision of the Constitution
   c) Salient features

BOOK PRESCRIBED:

Bureau's Higher Secondary (+2) History, Published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

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Syllabus
POLITICAL SCIENCE

There shall be two papers in Political Science modelled on the Syllabi of CBSE. Paper-I: Title-Foundation of Political Theory and Indian Government at work (For First Year).

Paper-ll: Title-Democracy and Nation Building in India and International affairs (For Second Year).

The subject of Political Science modelled on the Syllabi of CBSE consists of two papers as mentioned above. Paper-I is to be covered in the +2 First Year class and Paper-ll is to be covered in the +2 Second Year class. Each paper is divided into two sections and each section is further subdivided into two/three units. Thus there are five units in both Paper-I and Paper-ll. Periods have been allocated for the respective units approximately. Teachers are advised to take at least those numbers of periods to cover the particular unit. The major concepts and principles should be taught in such a manner as to stimulate higher mental abilities among students like application, logical thinking, analysis etc., and not the factual information. Paper-setters and Examiners are requested to keep the above in mind while setting questions and examining, respectively. Questions should of short (one word/ multiple-choice/ one sentence), medium (50/100 words/ five sentence) and long (500 words or there about). Also Questions of final/AHS Examination shall cover all the five units of Paper -II.

Objectives of the course/syllabus are, as briefly mentioned above are:

- To enable the students to acquire knowledge about the important concepts, theories, principles, provisions, process and Institutions of the indian constitution, and some rudimentary knowledge about International affairs;
- To acquaint the students with the changing dimension of politics and political theory both in the national and international knowledge domain;
- To develop an interest among the students regarding problems of political domain and to find out the possible solution to those problems.

Suggested Reading:

1. Political Theory- For Class-XI (Published by NCERT, New Delhi)
2. Indian Constitution at Work- For Class-XI (Published by NCERT, New Delhi)
3. Contemporary World Politics, For Class-XII (Published by NCERT, New Delhi)
4. Politics in India, For Class-XII (Published by NCERT, New Delhi)

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First Year CHSE (2016 2017)

Political Science Paper-i (Foundation of Politics and Government)

PART-A POLITICAL THEORY

UNIT-I(Understanding Political Theory)

SI. No.	TOPIC	No of Periods	Marks
1	**Political Theory: An Introduction**-What is Politics? Nature and scope of Politics; Usages of Political Theory.	4	
2	**State:** Definition; Elements of State.	4	
3	**Nature of State Activity:** Individualism; Welfare *State;* Globalisation.	6	

UNIT-II (Basic Concepts)

SI. No.	TOPIC	No of Periods	Marks
1	**Liberty:** Positives and Negative Liberty; Types of Liberty	2	
2	**Equality:** Meaning; Dimensions; Significance of Equality.	2	
3	**Justice:** Meaning; Dimensions; Significance of Social Justice.	2	
4	**Rights:** Meaning; Types; Human Rights and its significance.	4	
5	**Secularism:** Meaning; Western and Indian approaches to Secularism.	2	
6	**Development:** Meaning; Models of Development; Capitalistic model, Socialist model; Sustainable Development.	4	

PART-B INDIAN CONSTITUTION AT WORK

UNIT-III (Indian Constitution)

SI. No.	TOPIC	No of Periods	Marks
1	**Philosophy of the Constitution;** Constitution- the Making; Constituent Assembly; Preamble; Basic Features; Amendment Procedure.	8	
2	**Rights in the Indian Constitution;** Fundamental Rights; Directive	8	

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Principles of State Policy; Relationship between Fundamental Rights & Directive Principles of State Policy; Fundamental Duties.

UNIT-IV **(Constitution atwork-l)**

SI. No.	TOPIC	No of Periods	Marks
1	**Election and Representation:** Elections and Democracy; Election Commission- Composition and Functions; Challenges to Free and Fair Elections; Electoral Reforms.	8	
2	**Legislature:** Parliament- Composition and Functions; State Legislatures (Odisha Vidhan Sabha) Composition and Functions.	8	

UNIT-V (Constitution at work-ll)

SI. No.	TOPIC	No of Periods	Marks
1	**Executive:** President- Powers & Position; Prime Minister- Functions & Role; Governor- Powers and Position; Chief Minster- Functions & Role.	8	
2	**Judiciary:** Structure of Judiciary; Supreme Court; High Court; Judicial Review; Judicial Activism.	10	

Second Year CHSE (2017-2018)

Political Science Paper-ll (DEMOCRACY IN INDIA AND INERNATIONAL POLITICS)

PART-A POLITICS IN INDIA UNIT-l(Democracy in India-)

SI. No.	TOPIC	No of Periods	Marks
1	Democracy: Meaning, Types and Features; Challenges to Democratic Process in India- Inequality, Illiteracy, Regionalism, Naxalite Problem, Gender Inequality.	8	
2	Party system in India: Meaning, Types; One Party Dominance, Coalition Politics; Regional Parties.	8	

UNIT-ll (Democratic process in lndia-1)

SI. No.	TOPIC	No of Periods	Marks
1	Federalism in India: Features; Centre-State relation; Recent Trends in Indian Federalism.	8	
2	Local Governance in India-Rural & Urban Local Bodies- Composition & Functions.	8	

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Unit-Ill Democratic process in lndia-ll)

SI. No.	TOPIC	No of Periods	Marks
1	Challenges to Nation-Building: Meaning; Communalism, Casteism, Regionalism, Terrorism; Remedies.		
2	Contemporary issues in Indian Politics: Popular Movements-Women Movement; Environment protection Movements; Development-Displacement Movements.	8	

PART-B CONTEMPORARY WORLD POLITICS

UNIT-IV (India in World Politics)

SI. No.	TOPIC	No of Periods	Marks
1	Indian Foreign Policy: Basic Features; India and its neighbours-China, Pakistan.	8	
2	International Organizations: UN: Major Organs-General Assembly; Security Council; International Court of Justice; Reforms of the UN. India's position in UN. International Economic Organizations- World Bank and the IMF.	8	

UNIT-IV (Issues in International Politics)

SI. No.	TOPIC	No of Periods	Marks
1	Changing Dimension of Security in Contemporary World: Traditional Security Concerns: Arms Race and Disarmament. Non-Traditional Security Concerns: Human security: Global Poverty, Inequality, Health and Education.	8	
2	Environment and Natural Resources: Global Environmental Concerns; Development and Environment; Global Warming and Climate Change.	8	

BOOK PRESCRIBED:

Bureau's Higher Secondary (+2)Political Science, Paper-I & II (English & Odia) Published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

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LOGIC
FIRST YEAR

UNIT–1 : Nature of Logic: Definition of logic, Structure of Argument, Sentence and proposition, truth and validity, sound and unsound arguments, Principles of Logic.

Logic and Language: Used of language, words and terms, Denotation, Corrugation and Extension.

UNIT–2 : Propostions : Classification of Propositions, Reduction of Logical form.

Distribution of Terms, Sevenfold relation of Propositions, Square of Opposition of Propositions.

UNIT–3 : Nature, Problems and Procedure of Induction: Induction and Deduction, Primary and Secondary Induction, Procedures of Induction, Problem of Induction.

Induction and probable Inference: Scientific Induction, Induction by Simple enuveration, Analogy, Statistical syllogism.

UNIT–4 : Formal Grounds of Induction**:** Law of uniformity of Nature, Law of Caudation, Qualitative and Quantitative marks of causatin, Cause and Condition, Different views of Causation, Plurality of causes, Conjunction of causes, Intermixture of effects.

National Grounds of Induction: Observation and Experiments.

Hypothesis: What is Hypothesis ? Conditions of legitimate Hypothesis, Proofs of Hypothesis.

UNIT–5 : Characteristics of Indian Philosophy, Jingoism: Syadavada and Anekantavada.

Buddhism : Four novel Truths and Dependent Origination.

SECOND YEAR

UNIT–1 : The Theory of Inference : Classification of Inference, Convention, Obverses.

Categorical Syllosim: Structure, Figure, Roads, Rules of Syllogism, Determination of valid Roads.

UNIT–2 : Special Rules of Figures, Anistotles Diction Direct and Indirect Reduction.

Mixed Syllosism: Different forms - Hypothetical Categorical, Alternative Categorical, Disjunctive Categorical, Dilemma, Forms, Refutation, Rebuttal of Dilemma.

UNIT–3 : Fallacy: Deductive Fallacy, Semi-Logical Fallacies, Inductive Fallacies, Fallacy of sthicit Generalisation, False Analogy, Ignoratio Elenchi.

Propositional Logic: Symbolic Logic and its Characteristics, Propositional Variables, Logical constants Propositional Connectively, Truth Functions, Construction of truth tables, Testing validity by direct truth table method.

UNIT–4 : Method of Experimental Enquiry : Mill's Five Experimental Methods.

Scientific Explanation : Nature of Scientific Explanations.

UNIT–5 : Nayaya Theory of Knowledge : Perception and inference: Vyapti and its ascertainment.

Doctrine of Karma : Niskama Karma of Bhagavad Gita, Gandhian Concept of Non-Violence.

BOOK PRESCRIBED:

Bureau's Higher Secondary (+2)Logic, Paper-I & II (English & Odia) Published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

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PAPER-I
INDIAN ECONOMY AND STATISTICS

A. INDIAN ECONOMY

I. Status of Indian Economy — 08 Periods, 12Marks

- Basic characteristics of contemporary Indian economy
- Structural changes in the Indian economy and the present state of relative contributions of primary, secondary and tertiary sectors.
- Demographic features, Adverse effects of population growth and Population Policy of India

II. Sectoral Development — 10 Periods, 15 Marks

- Agriculture- Importance, low productivity and its causes, Green Revolution, present agricultural situation .
- Industry - Importance, Industrial Policies - 1948, 1956, 1991.
- Infrastructure -Role, Economic Infrastructure (Energy, Transport and Communications) and Social Infrastructure (Education and Health)
- Foreign Trade - Role, Composition, Direction.

III. Economic Planning and Economic Reforms — 07 Periods, 13 Marks

- Planning -Meaning,Need. Objectives and Achievements , Niti Ayog
- Economic Reforms Since 1991- need and main features of Liberalisation, Privatisation and Globalisation.

IV. Current Challenges Facing the Indian Economy — 15 Periods, 20 Marks

- Poverty - absolute and relative poverty, causes of poverty, important poverty alleviation programmes currently in place .
- Unemployment and underemployment - causes, dimensions and government programmes currently in place.
- Inflation - causes and anti-inflationary measures in place.
- Sustainable economic development - Meaning of sustainable development. Economic growth and its adverse impact on Environment. Problems of global warming and climate change .

B. STATISTICS FOR ECONOMICS

V. Introductory Statistics — 06 Periods, 07 Marks

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- Meaning, scope, importance, uses and limitations of statistics in economics .
- Sources of statistical data- primary and secondary sources, NSSO and Census of India as sources of secondary data in India.
- Methods of collection of primary data - census and sampling methods and their relative merits and demerits .

VI. Frequency Distribution — 06 Periods, 08 Marks

- Meaning and types of variables and frequency distribution.
- Organisation of Data-Basics, Presentation of data - Tabular and diagrammatic presentation, Bar diagram, Pie diagram, Histogram, Frequency Polygon, Ogives, line graphs, Historigrams.

VII. Statistical Methods -1 — 14 Periods, 15 Marks

- Measures of Central Tendency- Simple and Weighted Arithmetic Mean, Median, Mode, Concepts of Geometric Mean, Harmonic Mean
- Measures of Dispersion
  Absolute Measures - Range, Quartile Deviation,
  Mean Deviation and Standard Deviation
  Relative Measures - Coefficients of Range, Quartile Deviation, Mean Deviation and Standard Deviation
- Merits and Demerits of different Measures of Dispersion

VIII. Statistical Methods - II — 14 Periods, 10 Marks

- Correlation- Meaning, Correlation and Causation, Types of Correlation, Scatter diagram Method of measuring correlation, uses of correlation in Economics
- Regression - Meaning, Difference between Correlation and Regression, Uses of Regression in Economics
- Index Numbers-Meaning, Importance, Uses, Consumer and Wholesale Price Index Number.
- Time Series-Meaning, Uses and Components.

Paper-II
Elementary Micro and Macro Economics

A. INTRODUCTORY MICRO ECONOMICS

I. Introduction — 10 Periods, 10 Marks

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- Definition, scope and subject matter of economics.
- Meaning of economy and central problems of an economy- scarcity and choice, what, how and for whom to produce ?
- Basic concepts - wants, utility, goods, value, price and wealth.

II. Consumption and Demand — 14 Periods, 15 Marks

- Laws of consumption - marginal and total utility, law of diminishing marginal utility, law of equimarginal utility and conditions of consumer's equilibrium
- Demand - meaning and determinants, individual and market demand, demand schedule and demand curve, movement along and shifts in the demand curve.
- Price elasticity of demand - concept, determinants, measurement of price elasticity of demand; percentage and geometric methods (linear demand curve), relation of price elasticity of demand with total expenditure.

III. Production — 10 Periods, 10 Marks

- Meaning of production and production function - short run and long run.
- Total. Average and Marginal Product.
- **Law** of variable proportions and returns to a factor .

IV. Cost, Revenue and Supply — 12 Periods, 15 Marks

- Cost- money and real cost, implicit and explicit cost, fixed and variable cost, Total, average and marginal costs in the short run and their relationship (simple analysis)
- Revenue- Total, average and marginal revenue and their relationship
- Supply - meaning and law of supply

V. Market — 08 Periods, 10 Marks

- Meaning and forms of market, pure and perfect competition, price determination under perfect competition and effects of shifts in demand and supply
- Meaning and features of monopoly, monopolistic competition and oligopoly .

B. **INTRODUCTORY MACRO ECONOMICS**

VI. Introduction — 04 Periods, 05 Marks

- Meaning of macroeconomics, Distinction between macro-and

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micro-economics, subject matter of macro economics

VII. National Income 10 Periods 15 Marks

- Meaning and aggregates related to national income - GNP, NNP, GDP and NDP at market price and factor cost.
- National disposable income (Gross and Net), Private Income, Personal income, Personal disposable income, Nominal and real national income.
- Income determination - Aggregate Demand and Supply and their components, simple Keynesian Theory of Income Determination .

VIII. Money, Banking and Public Finance 12 Periods 20 Marks

- Meaning and Functions of Money.
- Meaning and Functions of Commercial Banks .
- Functions of Central Bank.
- Meaning of Public Finance and Difference between public and private finance .
- Budget - Meaning and objectives, balanced and unbalanced budget, surplus and deficit budget.

BOOK PRESCRIBED:

Bureau's Higher Secondary (+2)Economics, Part-I & Part-II Published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

STATISTICS
(FOR 2016-17 BATCH AND ONWARDS)

There shall be two Theory papers in Statistics, each of three hours duration, carrying 70 Marks in First Year and 70 Marks in Second Year and two Practical Papers carrying 30 marks in First Year and 30 Marks in Second Year respectively, each of three hours duration.

The Examination for Paper-I and Practical Examinations will be held at the end of the First Year and examination for Paper-II and Practical Examination will be held at the end of Second Year respectively.

Pattern of Questions
THEORY:

Group-A: Objective Type Questions

1. Multiple Choice Questions (Compulsory)
2. Very Short Type Questions (Compulsory)

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Group-B: Short Answer Type Questions

1. 8 Questions to be answered out of 12

Group-C: Long Answer Type Questions

1. 3 Questions to be answered out of 5 Questions
2. 1 Question will be set up from each unit.

PRACTICAL:

1. Solution of Problems - 24 Marks
2. Record - 3 Marks
3. Viva-voce - 3 Marks

DETAILED SYLLABU

+2 First Year ARTS

(To be Covered in First Year, Class-XI)

Theory-70 Marks

3 Hours Duration

(To Cover the Course, Each Unit will take at least 15 Periods)

Unit - I: BASIC MATHEMATICS

Fundamental Principle of Counting, Factorial n (n!), Permutation and Combination, Binomial Theorem for positive Integral indices, General and Middle terms in Binomial Expansion, Simple Applications, Logarithmic and Exponential Series.

Unit-ll: PROBABILITY THEORY - I

Definition of Probability:- Classical, Empirical and Axiomatic Approach, Sample Space and events. Concepts of sets, Correspondence between sets and events, Probability by direct enumeration, Laws of addition and multiplication, Conditional Probability and independence of events, Mutual and pair-wise independence of events.

Unit-lll: PROBABILITY THEORY-II

Concept of Random Variable, Discrete and Continuous random Variables and their probability distributions, Cumulative distribution functions, Mathematical expectation of Random Variables, Addition and Multiplication laws of expectation, Variance of Sum of Random Variables.

Unit-IV: STATISTICAL METHODS-I

Definition, Scope and Limitations of Statistics, Collection of Data: Primary and Secondary Data,

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Classification of Data, Tabulation of Data: One-Way and Two-Way fables,

Presentation of Data: Diagrams-Simple. Multiple. Subdivided and percentage bar diagrams, pie diagrams, pictogram and Cartogram, Graphs- Frequency curve. Frequency Polygon, Ogives and Histogram.

Unit-V: STATISTICAL METHOD-II

Frequency distributions, Measures of Central Tendency: Arithmetic Mean, Geometric Mean, Harmonic Mean, Median and Mode. Quartiles, Deciles and Percentiles. Measures of Dispersion: Range, Inter-Quartile range, Quartile'Deviation, Mean absolute deviation, Standard Deviation. Coefficient of Variation and Lorenz Curve. Moments: Raw and Central moments of various orders, Skewness and its different measures, Kurtosis and its measure based on moments.

PRACTICAL-30 Marks

3 Hours Duration

The candidate is required to answer any four out of six questions to be set. Each question carries six

marks. The Practical Records should be maintained in blue/black ball pen only.

Diagrammatic Representation of Data: Simple, multiple, sub-divided and percentage bar-diagrams, pie diagrams, Graphical Representation of data-Histogram, Frequency Polygon and Cumulative Frequency Curve, Arithmetic Mean, Median, Mode, G.M and Harmonic Mean, Partition Values, Standard Deviation, mean absolute deviation, coefficient of variation. Lorenz Curve, moments, skewness 8 kurtosis.

Books Recommended:

Bureau's Higher Secondary (+2) Statistics, Part-1, Published by Odisha State Bureau of Text Book Preparation and Production, Bhubaneswar

+2 Second Year ARTS

(To be Covered in Second Year. Class-XII)

Theory: 70 Marks

3 Hours Duration

Unit-I: STATISTICAL METHODS-III

Curve fitting by the method of least squares: Fitting of first degree and second degree curves. Bi-variate Frequency Distribution, Simple Correlation, Computation of Correlation Coefficient and Its interpretation using Probable Error. Rank Correlation (including ties), Linear Regression, Regression Coefficients and their Properties.

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Unit-ll: PROBABILITY DISTRIBUTIONS

Bernoulli, Binomial and Poisson Distributions with properties and applications (derivation of mean and variance only). Normal distribution, its properties and applications (mathematical proofs excluded). Concept of Testing of hypothesis, large sample tests based on normal distribution(mean, variance and proportion)

Unit-lll: SAMPLING METHODS

Finite Population Sampling : Sample, Population, Sampling units, sampling frame. Principal Steps in sample Surveys. Census versus Sample Survey. Idea about questionnaire and schedule, sampling and non-sampling errors. Idea on simple random sampling with and without replacement. Methods of Drawing Random Samples: Lottery Method and Random Number table Method, Estimation of Population mean and Variance. Stratified Sampling: Elementary Idea on stratified random sampling. Proportional and optimum allocations, estimation of population mean and variance.

Unit-IV: TIME SERIES

Definition, uses and components of Time Series, Measurement of trend: Freehand, Semi-Average, Moving Average and Least Squares Method, Measurement of Seasonal Fluctuations: Simple Averages, Ratio-to-trend. Ratio-to-moving Average and Link Relatives Method.

Unit-V: INDEX NUMBERS

Need meaning and uses of Index Numbers, Important steps in the construction of index number, Problems in the selection of items. Idea of base year and Current Year, Average System of Weighing, Weighted index number: Laspeyre's, Paasche's and Fisher's ideal index numbers. Unit, lime Reversal, Factor Reversal and Circular Tests. Base shifting splicing and defeating of index numbers. Cost of living index numbers-construction and uses.

PRACTICA.T.-30 Marks
3 Hours Duration

The candidate is required to answer any three out of five questions to be set. Each question carries eight marks. The Practical Records should be maintained in blue/black ball pen only.

Measurement of trend by moving averages and by Least Square (Straight line only) method. Measurement of seasonal fluctuations (simple average, Ratio to moving averages, Ratio to trend and link relative methods). Computation of index numbers by weighted average of price relatives: Laspeyre's, Paasche's and Fisher's Formula: Coefficient of Correlation, Coefficient of Regression

Books Recommended:

Bureau's Higher Secondary (+2) Statistics, Part-I & II, Published by Odisha State Bureau of Text Book Preparation and Production, Bhubaneswar

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MATHEMATICS (+2 2nd year)
Course Structure

Unit	Topic	Marks	No. of Periods
I	Relations and Functions & Linear Programming	20	45
II	Algebra and Probability	20	45
III	Differential Calculus	20	45
IV	Integral Calculus	20	45
V	Vector 3-D Geometry	20	45
	Total	**100**	**220**

General Imstructions :

1. All questions are compulsory in Group A, which are very short answer type questions. All questions in the group are to be answered in one word, one sentences or as per exact requirement of the question. (1x10=10 Marks)

2. Group-B contain 5(five) questions and each question have 5 bits, out of which only 3 bits are to be answered (Each bit caries 4 Marks) (4 x15=60 Marks)

3. Group-C contains 5(five) questions and each question contains 2/3 bits, out of which only 1(one) bit is to be answered. Each bit caries 6(six) Mark (6x5 =30 Marks)

UNIT - I : Relations and Functions

1. Relations and Functions

Types of relations ; reflexive, symmetric, transitive and equivalence relations. One to one and onto functions, composite functions, inverse of function. Binary operations.

2. Inverse Trigonometric Functions

Definition, range, domain, principle value branch. Graphs of inverse trigonometric functions. Elementary properties of inverse trigonometric functions.

3. Linear Programming

Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming (L.P.) problems, mathematical formulation of L.P. problems, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded and unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).

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UNIT - II : Algebra

1. Matrices

Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operation on matrices; Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Non commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). concept of elementary row and column operations. Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).

2. Determinants

Determinant of a square matrix (up to 3×3 matrices), properties of determinants, minors, co-factors and applications of determinants in finding the area of a triangle, Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.

3. Probability

Conditional probability, multiplication theorem on probability. Independent events, total probability, Baye's theorem, Random variable and its probability distribution, mean and variance of random variable. Independent (Bernoulli) trials and Binomial distribution.

UNIT-III : Differential Calculus

1. Continuity and Differentiability

Continuity and differentiability, derivative of composite functions, chain rule, derivatives of inverse trigonometric functions, derivative of implicit functions. Concept of exponential and logarithmic functions.

Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives. Rolle's and Lagrange's Mean Value Theorems (without proof) and their geometric interpretation.

2. Applications of Derivatives

Applications of derivatives : rate of change of bodies, increasing and decreasing functions, tangents and normals, use of derivatives in approximation, maxima and minima (first derivative test motivate geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real-life situations).

UNIT-IV Integral Calculus

1. Integrals

Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the following types and problems based on them.

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$$\int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{a^2 - x^2}, \int \frac{dx}{ax^2 + bx + c}$$

$$\int \frac{dx}{ax^2 + bx + c}, \int \frac{px + q}{ax^2 + bx + c} dx,$$

$$\int \frac{px + q}{ax^2 + bx + c} dx, \int \sqrt{a^2 \pm x^2}\, dx,$$

$$\int \sqrt{x^2 - a^2}\, dx,$$

$$\int \sqrt{ax^2 + bx + c}\, dx, \int (px + q)\sqrt{ax^2 + bx + c}\, dx$$

Definite integrals as a limit of a sum, Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals.

2. Applications of the Integrals

Applications in finding the area under simple curves, especially lines, circles/parabolas/ ellipses (in standard form only). Area between any of the two above said curves (the region should be clearly identifiable).

3. Differential Equations.

Definition, order and degree, general and particular solutions of a differential equation. Formation of differential equation whose general solution is given. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the type :

$\frac{dy}{dx} + py = q$, where p and q are functions of x or constants.

$\frac{dx}{dy} + px = q$, where p and q are functions of y or constants.

UNIT - V : Vectors and Three-Dimensional Geometry

1. Vectors

Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors, scalar triple product of vectors, Coplanarity of three vectors.

2. Three - dimensional Geometry

Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, coplanar and skew lines, shortest distance between two lines. Cartesian and vector equation of a plane. Angle between (i) two lines, (ii) two planes, (iii) a line and a plane. Distance of a point from a plane.

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Books Recommended:

Bureau's Higher Secondary (+2) Elements of Mathematics, Part-II, Published by Odisha State Bureau of Text Book Preparation and Production, Bhubaneswar.

SYLLABUS

MATHEMATICS (+2 First Year)

Course Structure

Unit	Topic	Marks	No. of Periods
I	Sets and Functions	29	60
II	Algebra	37	70
III	Co-ordinate Geometry	13	40
IV	Calculus	06	30
V	Mathematical Reasoning	03	10
VI	Statistics and Probability	12	30
	Total	**100**	**240**

UNIT - I : Sets and Functions

1. Sets

Sets and their representations. Empty set, Finite and Infinite sets, Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations), Power set, Universal set, Venn diagrams, Union and Intersection of sets, Difference of sets, Complement of a set, Properties of Complement of Sets, Practical Problems based on sets.

2. Relations & Functions

Ordered pairs, Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the sets of real (upto $R \times R$). Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special kind of relation from one set to another. Pictorial representation of a function, domain co-domain and range of a function. Real valued functions, domain and range of these functions: Constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer function, with their graphs. Sum, difference, product and quotients of functions.

3. Trigonometric Functions

Positive and negative angles. Measuring angles in radians and in degrees and conversion of one into other. Definition of trigonometric functions with the help of unit circle. Truth of $\sin^2 x + \cos^2 x = 1$, for all x. Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ in terms of $\sin x$, $\sin y$, $\cos x$ & $\cos y$ and their simple application. Deducing identities like the following :

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$$\tan(x \pm y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}, \cot(x \pm y) = \frac{\cot x \cot y \mp 1}{\cot y \pm \cot x}$$

$$\sin x + \sin y = 2 \sin \frac{x+y}{2} \cos \frac{x-y}{2}, \cos x + \cos y = 2 \cos \frac{x+y}{2} \cos \frac{x-y}{2},$$

$$\sin x - \sin y = 2 \cos \frac{x+y}{2} \sin \frac{x-y}{2}, \cos x - \cos y = -2 \sin \frac{x+y}{2} \sin \frac{x-y}{2},$$

Identities related to sin $2x$, cos $2x$, tan $2x$, sin $3x$, cos $3x$ and tan $3x$. Trigonometric equations Principal solution, General solution of trigonometric equations of the type $\sin x = \sin y$, $\cos x = \cos y$ and $\tan x = \tan y$. Proof and Simple applications of sine and cosine formula.

UNIT-II : Algebra

1. Principle of Mathematical Induction

Process of the proof by induction, motivation the application of the method by looking at natural numbers as the least inductive subset of real numbers. The principle of mathematical induction and simple applications.

2. Complex Numbers and Quadratic Equations

Need for complex numbers, especially $\sqrt{-1}$, to be motivated by inability to solve some of the quardratic equations; Algebraic properties of complex numbers. Argand plane and polar representation of complex numbers. Statement of Fundamental Theorem of Algebra, solution of quadratic equations in the complex system. Square root of a complex number, cube roots of unity and its properties..

3. Linear Inequalities

Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line. Graphical solution of linear inequalities in two variables. Graphical solution of system of linear inequalities in two variables.

4. Permutations and Combinations

Fundamental principle of counting, factorial n. (n!), Permutations and combinations, derivation of formulae and their connections, simple applications.

5. Binomial Theorem

History, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, General and middle term in binomial expansion, simple applications.

6. Sequence and Series

Sequence and Series, Arithmetic Progression (A.P.). Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P, sum of n terms of a G.P., Arithmetic and Geometric series, infinite G.P. and its sum, geometric mean (G.M.), Harmonic (mean) relation between A.M., GM. and H.M., Formula for the following special sum :

Arithmetico-Geometric Series, Exponential Series, Logarithmic Series, Binomial Series.

UNIT - III : Co-ordinate Geometry

1. Straight Lines

Brief recall of two dimensional geometry from earlier classes. Slope of a line and angle between

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two lines. Various forms of equations of a line : parallel to axis, point-slope form, slope-intercept form, two-point form, intercept form and normal form. General equation of a line. Equation of family of lines passing through the point of intersection of two lines. Distance of a point from a line, Shifting of Origin.

2. Conic Sections

Sections of a cone : circles, ellipse, parabola, hyperbola; a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section; Standard equations and simple properties of Circle, parabola, ellipse and hyperbola.

3. Introduction to Three-dimensional Geometry

Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points and section formula.

UNIT-IV: Calculus

1. Limits and Derivatives

Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions, trigonometric, exponential and logarithmic functions. Definition of derivative, relate it to slope of tangent of a curve, derivative of sum, difference, product and quotient of functions. The derivative of polynomial and trigonometric functions.

UNIT-V : Mathematical Reasoning

1. Mathematical Reasoning

Mathematically acceptable statements. Connecting words/phrases-consolidating the understanding of "if and only if (necessary and sufficient) condition," "implies", "and/ or", "implied by", "and", "or", "there exists" and their use through variety of examples related to real life and Mathematics. Validating the statements involving the connecting words, difference between contradiction, converse and contrapositive,

UNIT-VI : Statistics and Probability

1. Statistics

Measures of dispersion; Range, mean deviation, variance and standard deviation of ungrouped/ grouped data. Analysis of frequency distributions with equal means but different variances.

2. Probability

Random experiments; outcomes, sample spaces (set representation). Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with the theories of earlier classes. Probability of an event. Probability of 'not', 'and' 'or' events.

Books Recommended:

Bureau's Higher Secondary (+2) Elements of Mathematics, Part-I, Published by Odisha State Bureau of Text Book Preparation and Production, Bhubaneswar.

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SOCIOLOGY

Sociology is introduced as an elective subject at the Higher Secondary Education. This subject studies the processes and patterns of individual and group interaction, the forms of organization of social groups, the relationships among them, and group influences on individual behaviour.lt has focused on the understanding of group or other collective factors in human behavior. This syllabus is designed to help the learners to know about the society and develop a constructive attitude towards different facets of life.

Objectives:

1. To enable learners to relate classroom teaching to their outside environment,
2. To introduce them to the basic concepts of sociology that would enable them to observe and nterpret social life,
3. To make them aware about the complexity of social processes.
4. The overall objective of this syllabus is to provide learners with a knowledge and understanding of the main sociological theories, concepts and methods.

Distribution of Marks will be as follows: (Total Marks-100)

GRQUP-A (Objective Type-Compulsory)

Q.1	Multiple Choice (From all Units)	1 mark each xl5 marks=15marks
Q.2	One word answer/ (From all Units) Very short answer/ Correct the sentence/ Filling of the blanks	1 mark each x 15 marks= 15marks

GROUP-B(Short type Answer)

Q.3	Answer within Two/Three sentences (Out of 14 bits, one has to answer 11 bits)	2 marks each xl 1= 22 marks
Q.4	Answer within six sentences (Out of 8 bits, one has to answer 6 bits)	3 mark each x 6= 18 marks

GROUP-C (Long Answer Type)

Q.5	(out of 6 Questions from all units, one has to answer 4 questions)	7.5 marks each x 4=30 marks

SOCIOLOGY
Paper- I

Introducing Sociology		**Periods**
Unit - I	**Sociology & Its Relationship**	
	Emergence, Meaning, Nature and Scope	5
	Relationship of Sociology with Social Sciences - History, Economics, Anthropology, Psychology, Political Science.	5

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Unit - II Basic Concepts

- Society - Meaning and Characteristics, Individual and Society 2
- Community - Meaning and Characteristics 2
- Association - Meaning & Characteristics 2
- Social Group - Meaning and Characteristics ,Types Primary, Secondary In-Group, Out-Group 3
- Culture - Meaning, Characteristics, Types - Material, Non-Material, Importance 3

Unit - III Social Institutions

- Family - Meaning, Characteristics, Types, Functions 3
- Kinship - Meaning, Characteristics, Types 3
- Education - Meaning, Importance 3
- Economic - Property, Division of Labour 3

Unit - IV Process, Stratification and Change

- Social Processes : Associative - Co-operation, Accommodation /Dissociative- - Competition, Conflict 5
- Social Stratification - Meaning, Characteristics, Bases - Caste, Class, Gender 5
- Social Change - Meaning, Characteristics/ Factors - -Technological Cultural 5

Unit - V Sociology, Methods and Techniques

- Auguste Comte : Law of Three Stages 2
- Emile Durkheim : Suicide 2
- G.S. Ghurey : Caste 2
- M.N. Srinivas : Sanskritisation 2
- Methods : Observation - Meaning and Types 2
- Tools and Techniques : Questionnaire and Schedule - Meaning, Merits and Demerits 4

BOOK PRESCRIBED:

1. Bureau's Higher Secondary (+2) Sociology, Part-I Published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

2. Sociology, Part-I, NCERT

SOCIOLOGY
Paper- II
Indian Society

Unit - I Introducing Indian Society **Periods**

- Composition of Indian Society - Demographic, Geographical, Racial, Linguistic, Religious, Tribal 8
- Unity & Diversity - Factors of Unity & Diversity 4

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Unit - II Indian Social Structure

- Caste System - Meaning, Characteristics, Functions, Dysfunctions, Recent Changes, Caste and Class 8
- Hindu Joint family - Meaning, Characteristics Merits, Demerits, Recent Changes 5
- Village Community - Meaning and Characteristics/ Rural -Urban Linkages and Divisions 3

Unit - III The Challenges of Cultural Diversity

- National Integration : Concept and obstacles - 2
  Communalism, 2
  Regionalism, 2
  Casteism, Terrorism 2

Unit-IV Social Inequality, Exclusion and Movement

- Caste and Social Inequality 1
- Class and Social Inequality 1
- Marginalized Classes : Scheduled Castes, Scheduled Tribes, 4
  Constitutional Safeguards 2
- Tribal Movements 2
- Peasant Movements 2

Unit-V Change and Development in India

- Industrialization - Meaning, Characteristics, Impact 3
- Urbanization - Meaning, Characteristics, Impact 3
- Modernization - Meaning, Characteristics, Impact 3
- Globalization - Meaning, Characteristics, Impact 3

BOOK PRESCRIBED:

1. Bureau's Higher Secondary (+2) Sociology, Part-II Published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

2. Sociology, Part-II, NCERT

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GEOGRAPHY (THEORY)

QUESTION PAPER DESIGN
+2 FIRST YEAR (ARTS/SC)

3 HOURS **Total Marks : 70**

Sl. No.	Typology of questions	Learning Outcomes & Testin`g Skills	Short Answer (1 Mark)	Short Answer (3 Marks)	Long Answer (5 Marks)	Map Skills based (5 Marks)	Marks	%age
1.	**Remembering-** (Knowledge based simple recall questions to know specific facts, terms, concepts, principles, or theories, Identify, define or recite information), Map skill based questions (Identification, location)	• Reasoning • Analytical Skills • Critical thinking	3	1	1	1 (Identify location)	16	23%
2.	Understanding-(Comprehension- to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase information)		1	1	2		14	20%
3.	Application-(Use abstract information in concrete situation, to apply knowledge to new situations; Use given content to interpret a situation, provide and example, or solve a problem)			1	2		13	19%
4.	High Order Thinking Skill-(Analysis and synthesis-Classify, compare, contrast or differentiate between different pieces of information; Organise and/or integrate unique pieces of information from a variety of sources)(Includes map interpretation)		2	1	2	1 (Map interpretation	20	28%

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Sl. No.	Typology of questions	Learning Outcomes & Testing Skills	Short Answer (1 Mark)	Short Answer (3 Marks)	Long Answer (5 Marks)	Map Skills based (5 Marks)	Marks	%age
5	Evaluation and Multi-Disciplinary -(Appraise, judge, and/or justify the value or worth of a decision or outcome, or to predict outcomes based on values)		1	1+1 (Value based)			7	10%
Total			**1 × 1 = 7**	**6 × 3 = 18**	**7 × 5 =35**	**2 × 5 =10**	**70 (22) Practical 30**	**100%**
Time Estimated			**15 min.**	**60 min.**	**70 min.**	**20 min.**	**165 + 15 = 180 min**	

Note: No chapter wise weightage, care to be taken to cover chapters in books.

The question paper will include a section on **Open Text - based Assessment** of 10 marks from Unit -5 (Part I). No other question will be asked from this unit. The open text material on this unit will be supplied to students in advance These materials are designed to test the analytical and higher order thinking skills of students. The OTBA will be askec n the final examination.

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GEOGRAPHY SYLLABUS

+2 2ND YEAR (ARTS/SC)

Course Structure

Part/Unit	Topic of Chapter	Marks
A	**Fundamentals of Human Geography**	**35**
Unit-1	Human Geography	
Unit-2	People	
Unit-3	Human Activities	
Unit-4	Transport, Communication and Trade	
Unit-5	Human Settlements	
	Map Work	5
B	**India: People and Economy**	**35**
Unit-6	People	
Unit-7	Human Settlements	
Unit-8	Resources and Development	
Unit-9	Transport, Communication and International Trade	
Unit-10	Population, settlements, resources and	

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transport of Odisha 5

	Map Work	
C	**Practical Work**	**30**
Unit-1	Processing of Data and Thematic Mapping	15
Unit-2	Field study or Spatial Information Technology	10
Unit-3	Practical Record Book and Viva Voce	5

A. FUNDAMENTALS OF HUMAN GEOGRAPHY 90 Periods

Unit 1 : Human Geography: Nature and Scope 05 Periods

Unit 2 : People 18 Periods

Population-distribution, density and growth

Population change- spatial patterns and structure; determinants of population change;

Age-sex ration;rural-urban composition;

Human development- Concept, selected indicators, international comparisons

Unit 3 : Human Activities 28 Periods

Primary activities- Concept and changing trends; gathering, pastoral, mining, subsistence agriculture, modern agriculture; People engaged in agriculture and allied activities- Some examples from selected countries. Secondary activities- Concept; Manufacturing : types- household, small scale, large scale; agro based and mineral based industries; people engaged in secondary activities- some example from selected countries Tertiary activities- Concept; Trade, transport and tourism; Services; People engaged in tertiary activities- some examples from selected countries

Quaternary activities- concept; people engaged m quaternary activities- case study from selected countries

Unit 4 : Transport, Communication and Trade 23 Periods

Land Transport- Road, Railways; Trans-continental railways Water Transport- In-land waterways; major ocean routes Air Transport- Intercontinental air routes Oil and gas pipelines

Satellite communication and cyber space- importance and usage for geographical information; use of GPS International Trade- Bases and changing patterns; ports and gateways of international trade, role of WTO in international trade.

Ocean National rights and international treaties ^ \

Unit 5 : Human Settlements 10 Periods

Settlement types- rural and urban, morphology of cities(case study); distribution of mega cities, problems of human settlements in developing countries

Map Work 05 Periods

Map work on identification of features based on 1-5 Units of outline/physical/political map of World

B. INDIA; PEOPLE AND ECONOMY 90 Periods

Unit 6 : People 15 Periods

Population: Distribution, density and growth; composition of population- linguistic, religious,

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sex, rural-urban and occupational-regional, national causes and consequences. Migration: International, National-causes and consequences Human Development: Selected indicators and regional patterns Population, environment and development.

Unit 7 : Human Settlements 10 Periods

Rural Settlements- types and distribution

Urban Settlements- types, distribution and functional classification

Unit 8 : Resources and Development 30 Periods

Land Resources- general land use; agriculture land use, Geographical conditions and distribution of major crops(wheat, rice, tea, coffee, cotton, jute, sugarcane, rubber), agriculture development and problems. Water Resources- availability and utilisation-irrigation, domestic, industrial and other uses; scarcity of water and conservation methods-rain water harvesting and water shade management.

Mineral and energy resources- Distribution of metallic (Iron ore, Copper, Bauxite, Manganese); Non metallic(Mica, salt), minerals; conventional (coal, petroleum, natural gas and hydroelectricity) and non-conventional energy sources (solar, wind, biogas) and conservation

Industries- Types, factor of industrial location; distribution and changing pattern of selected industries- iron and steel, cotton textile, sugar, petrochemicals, and knowledge based industries; impact of liberalisation, privatisation and planning in India- target group area planning (case study); idea **of** sustainable development (case study)

Unit 9 : Transport, communication and international trade 15 Periods

Transport and communication- roads, railways, waterways and airways: Oil and gas pipelines; geographical information and communication networks.

Unit 10 : Population, settlement, resources & transport of Odisha 15 Periods

Distribution of population

Rural and Urban settlements

Mineral Resources (Iron, Buxite, Coal) forest resources

Road and rail transport

Map Work 05 Periods

Map work on locating and levelling of features based on above units on outline map of India

C. Practical Work 40 Periods

- Unit 1: Processing of data and thematic mapping **25 Periods**
- Unit 2: Field study of Spatial Information Technology **15 Periods**
- Unit 3: Practical Record Book and Viva Voce

GEOGRAPHY

+2 SECOND YEAR (ARTS / SC)

Theory - One paper Time : 3 hrs

Marks : 70

PART-A	**FUNDAMENTALS OF HUMAN GEOGRAPHY 35 Marks**	
UNIT-1	Human Geography	
UNIT-2	People	
UNIT-3	Human Activities	30

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UNIT-4	Transport, Communication and Trade	
UNIT-5	Human Settlements	
	Map Work - World Map (for identification only relating to Unit 1 to 5)	5
	TOTAL	
PART-B	**INDIA - PEOPLE AND ECONOMY**	**35**
UNIT-6	People	
UNIT-7	Human Settlements	
UNIT-8	Resources and Development	30
UNIT-9	Transport, Communication and International Trade	
UNIT-10	Geographical Perspective on selected issues and problems	
	Map Work	5
	TOTAL	**35**
	GRAND TOTAL	**70**

Note: Value Based Question from any Unit 1-10

Weightage to Difficulty Level

	Estimated Difficulty Level	**Percentage**
(i)	Easy(E)	20%
(ii)	Average(AV)	60%
(iii)	Difficult(D)	20%

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GEOGRAPHY (THEORY)

QUESTION PAPER DESIGN
+2 SECOND YEAR (ARTS/SC)

3 HOURS **Total Marks : 70**

Sl. No.	Typology of questions	Learning Outcomes & Testing Skills	Short Answer (1 Mark)	Short Answer (3 Marks)	Long Answer (5 Marks)	Map Skills based (5 Marks)	Marks	% age
1.	**Remembering-** (Knowledge based simple recall questions to know specific facts, terms, concepts, principles, or theories; Identify, define or recite information), Map skill based questions (Identification, location)	• Reasoning • Analytical Skills • Critical thinking	3	1	1	1 (Identify location)	16	23%
2.	Understanding (Comprehension- to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase information)		1	1	2		14	20%
3.	Application-(Use abstract information in concrete situation, to apply knowledge to new situations; Use given content to interpret a situation, provide and example, or solve a problem)			1	2		13	19%
4.	High Order Thinking Skill-(Analysis and synthesis-Classify, compare, contrast or differentiate between different pieces of information; Organise and/or integrate unique pieces of information from a variety of sources)(lncludes map interpretation)		2	1	2	1 (Map interpre-tation	20	28%

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EDUCATION ELECTIVE
(First Year)
Theory - 70 marks & Practical - 30 marks.
Theory Paper - I
FOUNDATIONS OF EDUCATION - I

Unit I : Fundamentals of education. 20 periods

Meaning of education

Aims of education- Individual, Social, Democratic,& Vocational, Functions of education

Agencies of education- Formal, Informal, Non-formal; Active & Passive.

Role of Family, School, Community & Mass media as agencies of education.

Unit II: Fundamentals of educational psychology.
20 periods

Meaning, Nature & Scope of educational psychology.

Importance of educational psychology for the teacher.

Growth & Development - Meaning, General Principles, & factors affectirrg Growth & development.

Stages of growth & development - Physical, Intellectual, Social, & Emotional growth & development during Infancy, Childhood, & Adolescence.

Unit III: Education & Society 20 peeriods

Relationship between education & society.

Education for social change & social Control.

Education for social mobility.

Education for citizenship & socialization.

Gender disparity & the role of education.

Globalization & its impact on education.

Unit IV : Methods of teaching. 20 periods

(Any one of the following method subjects English, Odia, Mathematics, History, Geography, & General Science.)

Aims & Objectives

Methods of teaching applicable for elementary level.

Teaching Learning Materials (TLM): purpose & use.

General principles & Maxims of teaching.

Objective based and objective type of test items: meaning & principles of construction.

PRACTICAL (60 periods)

A - Preparation of five lesson plans in the selected method subject. 30 periods

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B - Preparation of fifteen objective type test items, 5 each pertaining to knowledge,comprehension & skill objectives on a particular topic of the selected method subject. 30 periods

BOOKS RECOMMENDED:

1. Bureau Uchcha Madhyamik Siksha (in Odia)
2. Bureau's Higher Secondary Education I.

EDUCATION ELECTIVE
(Second Year) Theory - 70 marks & Practical - 30 marks.
Theory Paper - II
FOUNDATIONS OF EDUCATION - II

Unit I : Contribution of educators: 20 periods

- Mahatma Gandhi
- Pandit Gopabandhu Das
- Sri Aurobindo
- Jean Jacques Rousseau
- John Dewey

Unit II: Learning & Motivation 20 periods

Meaning, nature and factors of learning.

- Theories of learning: Trial & Error theory, and Laws of learning.
- Classical conditioning theory
- Insightful learning
- Observational learning

Learning as construction of knowledge.

Motivation in learning - meaning, types & techniques of motivation.

Unit III: Current Issues in Education. 20 periods

- Universalization of Elementary Education (UEE) & RTE.
- Education for national integration & International understanding.
- Environmental education.
- Value education & Human rights education.
- Information & Communication Technology (ICT) in Education.
- Life skills education.

Unit IV : Educational Statistics. 20 periods

- Statistics: meaning, nature & uses.
- Frequency distribution.
- Graphical representation of data: Histogram, Polygon, & Pie-chart.

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• Measures of central tendency: Mean, Median, & Mode- meaning, calculation & uses.

PRACTICAL (60 periods)

(To be examined by both external & internal examiners).

A. Practice teaching of five lessons in class room in the selected subject. (30 periods)

B. Preparation of five improvised teaching aids relating to the five lesson plans along with the improvised teaching aids records. (30 periods)

For final Practical examination the student shall deliver one lesson in his/ her method subject.

Practice teaching records & Improvised teaching aids records are to be submitted during the final examination.

BOOKS RECOMMENDED:

1. Bureau Uchcha Madhyamik Siksha 2 (in Odia)
2. Bureau's Higher Secondary Education II.

Published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

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BLUE-PRINT OF THE QUESTION PAPER - EDUCATION

TIME : 03 HOURS

FULL MARKS : 70 (THEORY)

SL. NO.	TESTING COMPETENCIES/COMPONENTS & BASE OF TESTING	LEARNING OUTCOMES	MULTIPLE-CHOICE TYPE (MC) 1 Mark (10)	FILL IN THE BLANKS TYPE(FB) 1 Marks (10)	VERY SHORT ANSWER TYPE(VSA) 2 Marks (8)	SHORT ANSWER TYPE (SA) 4 Marks (4)	LONG ANSWER TYPE (LA) 6 Marks (3)	TOTAL MARKS	WEIGHT-AGE IN%
01	**KNOWLEDGE BASED :** (Remembering - Recall & Recognise i.e. to know specific facts, terms, concepts, principles or theories, to Identify, define, or recite facts)	**To develop :** **KNOWLEDGE, UNDERSTANDIN, APPLICATION, REASONING, ANALYTICAL SKILLS, CRITICAL THINKING SKILLS, EVALUATION etc.**	3 (3 x 1= 3)	2 (2x1=2)	1 (1x2= 2)	2 (2 x 4= 8)	1 (1 x 6= 6)	21	30%
02	**UNDERSTANDING BASED :** (Comprehension – Seeing Relationship, Citing examples, Discriminate, Classify, Compare, Contrast, Explain, Interprets, Verify, Generalise facts)		3 (3 x 1= 3)	2 (2 x 1= 2)	1 (1 x 2= 2)	2 (2x4=8)	1 (1 x 6= 6)	21	30%
03	**APPLICATION BASED :** (Use abstract information in concrete situation, Apply knowledge to new situations, Use given content to interpret a situation, Provide an example or Solve a problem)		2 (2x1= 2)	2 (2 x 1= 2)	2 (2x2=4)	-	1 (1 x 6= 6)	14	20%
04	**HIGH ORDER THINKING SKILLS BASED :** (Analysis & Synthesis - Classify, Compare, Contrast or Differentiate between different pieces of information, Organize and/or integrate unique pieces of information from a variety of sources)		1 (1 x 1= 1)	2 (2 x 1= 2)	2 (2 x 2= 4)	-	-	07	10%
05	**EVALUATION BASED :** (Appraise, Judge, Justify the value or worth of a decision or outcomes)		1 (1 X 1= 1)	2 (2 x 1= 2)	2 (2 x 2= 4)	-	-	07	10%
	TOTAL =		**10 x 1 = 10**	**10 x 1 = 10**	**8 x 2 = 16**	**4x4 = 16**	**3 x 6 = 18**	**70 (35)**	**100 %**

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Arts Stream

ANTHRPOLOGY

ELECTIVE, FIRST YEAR

THEORY

Full Mark-70

UNIT-I

a) Definition and scope of anthropology, Major Branches of Anthropology, Inter relationship with other disciplines, (Sociology, Psychology, History, Economics, Political Science, Geology). 25 Marks 30 Periods

b) Definition and Scope of Prehistoric Archaeology, Geological Time Scale
Dating Techniques: Relative Dating -Stratigraphy, Glacial , Verves , River Terrace, Typology, State of Preservation
Absolute Dating -Radio Carbon, Dendrochronology, Palynology
Tool Type: Chopper, Chopping Tool, Cleaver, Hand axe,Point, Scraper, Blade, Microliths, Axe, Adze
Bone Tools: Needle, Harpoon, Fish Hook, Arrow straightners, Lancets, Dart Thrower.
Tool Techniques: Block-on-Block Technique, Stone Hammer Technique, Cylinder Hammer Technique, Pressure Flaking Techniques, Grinding and Polishing Techniques.

UNIT -II 25 marks
30 Periods

a) Primitive Religion: Definition & Function of Religion, Theories of Religion : Animism and Animatism.
Magical Practices: Sorcery and Witch Craft,
Magico Religious Functionaries : Shaman and Priest
Comparision of Magic, Religion and Science

b) Social Stratification : Class, Caste and Varna, Criteria of Class Distinctions, Caste System in India, Features and Functions, Changes in Caste System in modern India.

c) Primitive Law and Political Organization, Definition of Law, Supernatural Legal Devices-Divination, Conditional Curse ,Ordeal and Oath.

d) Political Organization in primitive society : Uncentralized socio political system-Band and Tribes, Centralized socio political system-Chiefdom and State.

UNIT-III 20 marks

20 Periods

Definition and Scope of physical anthropology Branches of Physical Anthropology. Man's place in the Animal Kingdom, Anatomical differences between Ape and Man. Structure and Function of animal cell.

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PRACTICAL

Full Mark-30

1) Drawing and description of the following lithic tools (Total Ten Tools) 10 Marks
   a) Paleolithic 6 Periods
   b) Mesolithic
   c) Neolithic

II) Census-students are required to submit filled in household census schedule 10 Marks
from five households 6 Periods

Or

Museum Study-Students to visit any museum and write a report

III) Practical Record 5 Marks

IV) Viva Voce 5 Marks

SECOND YEAR
THEORY

Full Mark-70

UNIT-1 (SOCIAL ORGANISATION)

25 Marks
30 Periods

a) **Tribe :** Definition & features, Scheduled Tribes, Major Tribes of Odisha and their distribution, Vulnerable Tribal Groups.

b) **Family** : Definition, Feature and Functions, Types of Family : on the basis structure, on the basis of residence, on the basis of authority, on the basis of descent.

c) **Marriage** : Definition, Forms of marriage - monogamy, polygamy (Polygyny and Polyandry), Polygyny - Sororal and Non soraral, Polyandry,Fraternal & Non Fraternal, Familial Polyandry.

Marriage Rules - Exogamy and Endogamy, Hypergamy and Hypogamy, Levirate and Sororate, Cross Cousin and Parallel Cousin marriage, Bride Price and Dowry.

d) **Kinship** - Definition, category of Kins-Consaguineal and affinal, Degree of Kinship: Primary, secondary & tertiary, Kinship Terminology - Classificatory and Descriptive, Descent and Rules of Descent

Descent Group - Lineage, Clan, Phratry, Moiety, Kinship Usages-Avoidance, Joking Relationship, Teknonymy, Avanculate, Amitate and Couvade.

e) **Associations** - Definition, Non voluntary associations, Age set, Unisex Associations, or youth Dormitory, Voluntary Associations, Ethnic Associations, Secret Societies.

UNIT-II (PHYSICAL ANTHROPOLOGY)

25 Mark
20 Periods

Study of Fossils: Australopithecine, Homo Erectus - Pithecanthropus Erectus and Sinanthropus Pekinesis, Neanaderthal Man, Homo sapiens - Cromagnon Man. Major Theories of Organic Evolution - Lamarckism, Darwinism, Neo Darwinism.

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UNIT - III (INDIAN PREHISTORY)

20 Mark
25 Periods

Paleolithic Culture of India, Mesolithic Culture of India, Neolithic Culture of India, Indus Valley Civilization.

PRACTAL Full

Mark-30
15 Periods

I) Identification of ABO Blood Group of Ten Individuals — 5 Mark, 5 Periods

OR

Craniometric Measurement of Five skulls and Mandibles

a) Maximum cranial Length
b) Maximum cranial Breadth
c) Minimum Frontal Breadth
d) Basion Bregma Height
e) Bigonial Breadth

II) Somatometric Measurement of Five individuals — 5 Mark, 5 Periods

a) Maximum Head Length 5 Periods
b) Maximum Head Breadth
c) Bizygomatic Breadth
d) Morphological Facial height
e) Nasal Length
f) Nasal Breadth

III) Osteometry — 10 Mark

Drawing, Labelling description and identification of the following long bones

a) Humerus, Radius, Ulna
b) Femur, Tibia, Fibula
c) Human Skull & Mandible

IV) Practical Record — 5 Mark

V) Viva Voce — 5 Mark

BOOK PRESCRIBED:

Bureau's Higher Secondary (+2) Anthropology, (Odia) Published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

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PSYCHOLOGY

ELECTIVE

Psychology is introduced as an elective subject at the higher secondary stage of education. The course deals with Psychological knowledge and practices which are contextually rooted, It emphasizes the complexity of cognitive and behavioural processes of human beings within socio-cultural context. It encourages critical reasoning, allowing students to appreciate the role of social factors in behaviour and illustrates how biology and experience shape behaviour.

In the second year there will be council examination and the theory paper carries 70 marks and the practical paper carries 30 marks. The question paper pattern for both the papers are same.

QUESTION PAPER PATTERN

Theory Paper:

Group-A : Objective type (Compulsory)

Q.No-1 : Multiple choice (Fill up the blanks from all units) 1 mark each X 10 = 10 marks

Q. No.2 : Statements "True" or "False" 1 mark each X 10 = 10 marks

Group-B : Short Type

Q. No.3 : Short type answer (Answer within two /three sentences) and one has to answer 10 bits out of 12 bits.
2 marks each X 10 = 20 marks

Q. No.4: Short type answer (Answer within six sentences) and one has to answer 3 bits out of 5 bits.
3 mark each X 3 = 09 marks

Group-C : Long Type

Q. No.5 : Question No-5 to Q.No-10 (Questions will be from all the units and one has to answer any three questions) 7 marks each X 3 = 21 marks

PRACTICAL

There will be 4 number of questions and the examinee is to choose/draw 2 number of questions through lottery and is to conduct any one question out of the **two** questions.

Distribution of marks :

Record	-	03
Viva -Voce	-	07
Conduction & Report writing	-	20
Total marks	**-**	**30**

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FOUNDATIONS OF PSYCHOLOGY
FIRST YEAR

Total Marks : 100
Theory - 70 marks
Practical - 30 marks

THEORY

UNIT -I

Period

1. What is Psychology ? [8]

This chapter seeks to help in understanding and appreciating psychology as a discipline, its application and relationship with other sciences.

a) Meaning and definition of Psychology
b) Psychology as a science
c) Brief idea about the different approaches to the study of Psychology :
   i) Biological
   ii) Behaviouristic
   iii) Cognitive
d) Psychology and other disciplines (Sociology and Anthropology)

2. Methods used in Psychology

[6]

The objective of this chapter is to familiarize with the methods of studying and understanding behaviour a)Experimental method b)Observational Method :

i) Naturalistic Observation
ii) Subjective observation or Introspection

UNIT -II

3. Physiological bases of behavior:

[9]

This chapter focuses on the role of biological factors in the shaping of human behaviour and experience.

a) Structure and function of neuron
b) Structure and function of central Nervous system i) Spinal cord ii) Brain
c) Autonomic Nervous system
d) Endocrine system .

4. Sensory and Perceptual Processes :

[10]

This unit aims at understanding how various sensory stimuli are received, attended to and given meaning.

a) Attention : Determinant and types of attention

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b) Perception : Meaning, operational definition, processes involved in perception (Receptive, Selective, Symbolic and Affective Process)
c) Principles of perceptual organization
d) Role of need, past experience and cultural factors in perception.
e) Errors in perception : Illusion and Hallucination

UNIT-III

5. Learning

[10]

This chapter focuses on how human beings acquire new behaviuour and how changes in behaviour take place.

a) Meaning and operational definition of learning, Learning as distinguished from maturation and performance.
b) Processes of learning :
   i) Trial and Error Learning
   ii) Classical conditioning
   iii) Operant conditioning
   iv) Cognitive Learning : Insightful learning
   v) Observational learning

6. Human memory

[12]

This chapter deals with how information is received, stored, retrieved and lost It also explains how memory can be improved.

a) Memory Process :
   i) Encoding ii) Storage iii) Retrieval
b) Systems (stages) of memory :
   i) Sensory Memory ii) Short Term Memory iii) Long term Memory
c) Measurement of Memory
   i) Recall ii) Recognition iii) Saving or Relearning
d) Nature and causes of for getting :
e) Improving Memory : Mnemonics, Methods of Loci, Number and Letter Peg system, Chunking

UNIT - IV

7. Motivation and Emotion

[8]

This chapter deals with why human beings behave as they do. It also deals with how people experience positive and negative events and respond to them.

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a) Meaning and Nature of Motivation
b) Types of motives ; Biological, Social and Psychological
c) Meaning and nature of emotion;
d) Bodily changes during emotion.

8. Processes of Thinking

[10]

This chapter deals with thinking related processes like reasoning, problem solving, decision making and creative thinking.

i) Meaning and definition
ii) Stages of cognitive development by piaget
iii) Problem solving and decision making
iv) Creative Thinking : Nature and stages of creative thinking

UNIT-V

9. Intelligence

[7]

This chapter aims at studying how people differ with respect to intelligence.

a) Meaning and Nature of Intelligence
b) Approaches to understand intelligence (i) Gardner ii) Sternberg iii) J.P. Das
c) Factors influencing intelligence

PRACTICAL

1. Span of Attention
2. Optical Illusion (Muller - Lyer Illusion)
3. Sensory - Motor Learning
4. Memory for meaningful words and nonsense syllables

Books Recommended :

1. Psychology Part - 1, NCERT
2. Bureau's Higher secondary +2 Psychology, Part-1,
Published by Odisha State Bureau of Text Book Preparation and Production, Bhubaneswar.

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PSYCHOLOGY IN APPLICATION

SECOND YEAR

Total Marks - 100
Theory - 70 marks
Practical - 30 marks

THEORY

UNIT-I

Period

1. Life span development

[10]

This chapter deals with variations in development and the developmental tasks across the life span.

a) Meaning of development - Life span perspective
b) Principles of development
c) Stages of development : Pre-natal stage, Infancy, childhood stage, Adolescence, Adulthood and old age.

2. Self and Personality

[9]

This chapter focuses on the study of self and personality in the context of different approaches in an effort to appraise the person. The assessment of personality will also be discussed.

a) Concept of self and personality
b) Personality types and traits
c) Assessment of Personality

This chapter deals with the nature of stress and strategies to cope with stress.

a) Meaning, Nature and causes of stress.
b) Coping strategies to deal with stress.

UNIT-II

3. Stress : Meeting life challenges

[6]

This chapter deals with the nature of stress and strategies to cope with stress.

a) Meaning, Nature and causes of stress.
b) Coping strategies to deal with stress.

4. Physical environment and behaviour.

[6|

This chapter focuses on the application of psychological understanding of human- environment relationship.

a) Human impact on environment: Noise Pollution, Crowding, Natural disaster.
b) Impact of environment on human behaviour.

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UNIT-III

5. Group Processes and leadership. [7]

This chapter deals with the concept of group and the role of the leader in a group.

a) Groups : Nature, types and formation.

b) Leadership : Nature, functions and styles of leadership.

6. Counselling Processes [6]

This chapter focuses on helping the client in living a meaningful and fulfilling life.

a) Meaning and concept of counselling; Goals of counselling.

b) Characteristics of an effective counsellor.

UNIT-IV

7. Psychological disorder

[10]

This chapter discusses the concept of normality and abnormality and the major psychological disorders.

a) Concept of normality and abnormality, criteria of studying abnormal behaviour

b) Causal factors associated with abnormal behaviour.

c) Major Psychological disorders : Anxiety disorders, somatoform disorder and mood disorders.

8. Therapeutic Approaches

[6]

This chapter discusses the purpose and processes to treat Psychological disorders:

a) Nature and Processes of therapy

b) Types of therapy : Psychotherapy, Behaviour therapy, Cognitive therapy and Biomedical therapy.

UNIT-V

9. Statistics in Psychology

[10]

This chapter deals with some basic statistical methods to be used in psychological studies.

a) Frequency distribution

b) Measures of Central Tendency : Computation and uses of mean, median and mode.

PRACTICALS

1. RCPM (Children) / RPM (Adults)
2. Case History Method (Preparation of at least one case profile)
3. Personality Test (Type A/B)
4. Piagetian Task (Conservation of Liquid Quantity)

Books Recommended :

1. Bureau's Higher Secondary +2 Psychology Part I and Part-ll
Published by Odisha State Bureau of Test Book Preparation and Production, Bhubaneswar.
2. NCERT, Part-I & II

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HOME SCIENCE

Course Structure: +2 ,1st year Arts Home Science

Unit	Chapter	Marks
i.	Home Management and First Aid	22
ii.	Food and Nutrition, Health and Hygiene	24
iii.	Textile and Child Development	24
	Practical	30
	TOTAL	**100**

+2,1st year Home Science(Theory)

(Detailed syllabus)

No. of periods :yearly-80

UNIT- I HOME MANAGEMENT AND FIRST AID

(A) HOME MANAGEMENT: (14 marks)(16 periods)

a) Meaning of Home science and its branches. Scope of studying Home Science.
b) Meaning, definition and need for home management
c) Steps in home management-planning, organizing, controlling and evaluating
d) Meaning, importance and steps in decision making
e) Resources-Human (knowledge, abilities, skill, energy) and non hurnan (money, time, movable and immovable properties, goods and services, community facilities)

(B) FIRST AID: (8 marks)(10 periods)

a) Meaning and aims of first aid
b) Rules of first aid
c) Types of bandages(Roller and Triangular)
d) First aid in drowning, electric shock, burns and foreign bodies in the eye

UNIT-II FOOD AND NUTRITION, HEALTH AND HYGIENE

(A) FOOD AND NUTRITION (12 marks)(12periods)

a) Definition of food ,nutrition and health
b) Classification and functions of food
c) Basic food groups and their contribution to diet
d) Food preservation-Definition, need, importance, causes of food spoilage,house holds methods of food preservation (dehydration, addition of salt, sugar and refrigeration)

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(B) HEALTH AND L1YGIENE (12 marks)(15 periods)

a) Infection-sources and modes of infection
b) Restraint of infection and disinfectants
c) Diseases transmitted through air and other contacts-chicken pox, measles, mumps, diphtheria,whooping cough, tetanus, malaria, fileria and tuberculosis (causes, mode of spread, incubation period, symptoms and prevention)
d) Diseases transmitted through sex-AIDs-causes, mode of spread and prevention

UNIT-III TEXTILES AND CHILD DEVELOPMENT

(A) TEXTILES: (12marks)(12 periods)

a) Classification of fibres : natural and man made
b) Structure and characteristics of cotton, wool and silk
c) Types of soaps and detergents
d) Water-hard and soft water, softening of hard water

(B) CHILD DEVELOPMENT: (12marks)(15 periods)

a) Importance of child study-Meaning and scope
b) Prenatal development-conception, signs and symptoms of pregnancy, care during Pregnancy
c) Stages of prenatal growth and development
d) Factors influencing prenatal growth and development, such as age of the mother, diet of the mother, drugs, X-Ray, radiation, parental illness, Rh factors, maternal emotional state and attitude.

QUESTION PATTERN AND DISTRIBUTION OF MARKS HOME SCIENCE (THEORY)

+2 ,1st year Arts (For college level Exam.)

Full marks:70 Time:3hrs

Group- A : Objective type (compulsory)

Q.No.l. Multiple choice (Fill up the blanks from all units) :1 Mark X 10 =10 Marks

Q.No. 2. Statements "True" or "False".: 1 Mark X 10 =10 Marks Group- B : (Short Questine Answer)

Q.No, 3. (Answer within two/three sentence, 10 out of 12bits),:2 Marks X 10 =20 Marks

Q.No. 4. (Answer within six sentences, 3 out of 5bits,): 3 marks X 3 = 09 Marks Grotrp-C : (Long Questine Answer)

Q.No. 5 to Q. No. 9

(out of five questions from all units one has to answer three questions): 7marks X 3 = 21 Marks

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HOME SCIENCE (PRACTICAL)

+2 ,1st year Ats (Detailed syllabus)

UNIT-I FOOD AND NUTRITION:

Planning and preparation of dishes rich in protein, vitamin-A and iron (two items each for lunch/dinner/ snacks) (l0marks) -

UNIT-II FOOD PREPARATION FOR ENHANCING NUTRITIVE VALUE:

(A) cereal milk combination (5marks)

(B) cereal ,milk and vegetable combination (5marks) (one item for snacks and one item for meal time)

UNIT-III FIRST AID:

Application of triangular bandages for head and elbow and roller bandages for wrist and knee (5 marks) Practical Record (5marks)

QUESTION PATTERN AND DISTRIBUTION OF MARKS HOME SCIENCE (PRACTICAL)

+ 2, 1st Year Arts

Full Marks : 30 Time : 3 Hrs.

1. Experiment -25 Marks
2. Record - 5 Marks

Course Structure: +2 ,2nd year Arts Home Science

Unit	Chapter	Marks
I.	Child Care and Adolescent Development	20
II.	Nutrition and Physiology	20
Ill.	Textile, Money Management and Colour Combination	30
	Practical	30
	TOTAL	100

+2 , 2nd year Arts Home Science (Theory)

(Detailed syllabus)

No. of periods : Yearly-80

UNIT-I CHILD CARE AND ADOLESCENT DEVELOPMENT

(A) CHILD CARE(10marks)(12periods)

a) Feeding the baby: breast feeding, artificial feeding, weaning

b) Care of feeding equipments

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c) Immunizations of children
d) Common ailments-teething, diarrhoea ,common cold, fever, thrush, wind and colic
e) Causes and prevention of infant and maternal mortality

(B) ADOLESCENT DEVELOPMENT: (10marks)(8 periods)
a) Meaning, changes and problems (physical and emotional)
b) Role of parents in solving adolescents problems

UNIT-II NUTRITION AND PHYSIOLOGY (A) NUTRITION: (I0marks)(16 periods)

Classification, function, sources requirement and deficiency of following nutrients :
a) Carbohydrate
b) Protein
c) Fat
d) Vitamins (A,D,E,K)
e) B complex vitamins(thiamine riboflavin, niacin)
f) Vitamin-c
g) Minerals(calcium, phosphorous, iron, iodine)

(B) PHYSIOLOGY: (10marks)(16 periods)
a) Cell:structure and functions
b) Blood -composition, constituents and functions
c) Digestive System structure of alimentary canal, digestive juices secreted into it, their action on carbohydrates, protein, fat and their absorption
d) Accessory organs in digestion-salivary glands, liver, pancreas and gallbladder(structure and function in brief)

UNIT-III TEXTILE, MONEY MANAGEMENT, COLOUR COMBINATION

(A) TEXTILES: (10marks)(10periods)
a) Methods of laundering (rubbing and scrubbing, friction method, kneading and squeezing method, suction method and washing machine)and their principles.
b) Washing and finishing of cotton, wool and silk garments.
c) Stain removal: classification, types and methods of stain removal (tea, grass, grease, curry,blood, ball pen, ink, lipstick and nail polish)

(B) MONEY MANAGEMENT: (10marks)(8 periods)
a) Types of family income-money income, real income(direct and indirect),psychic income
b) sources of family income, methods of supplementing family income, procedure for keeping household accounts, meaning and importance of savings

(C) COLOUR COMBINATION: (10marks)(10 periods)
a) Use of colour in home: colour wheel
b) principles of colour combination proportion, balance,emphasis, rhythm and harmony
c) colour combinations relating and contrasting colour schemes d)use of colour in different rooms

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QUESTION PATTERN AND DISRIBUTION OF MARKS
HOME SCIENCE (THEORY)
+2 ,2nd year Arts(For H .S Exam.) Full marks:70 Time:3hrs

Group- A : Objective type (compulsory)

Q.No.l. Multiple choice (Fill up the blanks from all units) :1 Mark X 10 =10 Marks

Q.No. 2. Statements "True" or "False".: 1 Mark X 10 =10 Marks

Group- B : (Short Question Answer type)

Q.No. 3 (Answer within two/three sentences, 10 out of 12bits),:2 Marks X 10 =20 Marks

Q.No. 4 (Answer within six sentences, 3 out of 5bits,): 3 marks X 3 = 09 Marks

Group-C : (Long answer type) Q.No. 5 to Q No. 9

(out of five questions from all units one has to answer three questions):7marks X 3= 21 Marks

****

HOME SCIENCE (PRACTICAL)
+2 2nd year Arts
(Detailed syllabas)

UNIT-I NEEDLE WORK: (l0marks)

a) Make a sample of basic stitches-running stitch, hemming, back stitch, button whole stitch, chain stitch and satin stitch.

b) Study of different parts of sewing machine

c) Make samples of seams, pleats and patches (three types each)

d) Make a sample of fixing hooks and buttons (1 each)

e) Removal of stains-tea, curry, grease, grass, ball pen, ink, lipstick and nail polish using chemicals

UNIT-II USE OF COLOUR: (l0marks)

a) Preparation of colour wheel(prang colour chart)

b) Preparation of motifs using monochromatic, direct complimentary and analogous colour schemes

UNIT-III CHILD CARE:

Preparation of immunization chart (5marks)

Practical Record (5 marks)

QUESTION PATTERN AND DISTRIBUTION OF MARKS
HOMESCIENCE (PRACTICAL)
+2, 2nd Year Arts

Full Mark : 30 Time : 3 Hrs.

1. Experiment - 25 Marks
2. Record - 5 Marks

BOOK PRESCRIBED:

Bureau's Higher Secondary (+2) Home Science, Part-I &II Published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

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INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT

(Elective)

1. Objective of the course:-

a) To inculcate certain basic ideas on Industrial Relations and Personnel Management to Young student. Who at the end of this course may go "to Junior Posts in Govt. Department of Labor Administration Besides they will also suit similar posts in the industrial Relations, Labor Welfare, Personnel Department, Human Resources Department of Factories, Mines, Plantations, Ports and Docks, Banks and other establishments.

b) This will also serve as a bridge course to the professional Degree or Diploma course in Management, Labor Welfare personnel Management, Human Resource Management and Industrial Relations.

2. Course:-

There shall be two theory paper carrying 100 marks each of three hours duration. The examination for the 1st year will be conducted at the end of 1st year at college/H.S. School and the same the 2nd year will be conducted at the end of 2nd year at the Council level.

DISTRIBUTION OF MARKS

Full Marks - 100

Group-A: Objective type compulsory:

Q.l.	Multiple choices (from all units)	lmark eachX 15 = 15 marks
Q.2.	One work answer/very short answer/ Correct the sentences/Fill up the blanks	l mark each X 15 = 15 marks

Group-B: (Short type Answer):

Q.3.	Answer within Two/Three sentences (out of 14bits one has to answer 11 bits)	2 marks each X 11 =22 marks
Q.4.	Answer within six sentences. (out of eight bits, one has to answer six bits)	3 marks each X 6 = 18 marks.

Group-C: (Long type Answer):

	Q.5. to Q.10 Out of six questions from all units, Answer 4 questions.	7.5 marks each X 4 = 30 marks

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INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT

FIRST YEAR, PAPER-1

(INSUSTRIAL RELATIONS)

Full marks - 100

Unit-I

Industrial Relations and Trade Unionism:-

(25 mar.ks) 16 periods

(a) Meaning and Definitions of Industrial Relations
(b) Objectives and Scope of Industrial Relations
(c) Significance of Industrial Relations
(d) Meaning, Aims and Objectives of Trade Union
(e) Functions of Trade Union
(f) Types of Trade Union-Craft Union, Industrial Union and General Union
(g) Union registrations & recognition
(h) Code of conduct.
(i) National Federations of Trade union in India .

Unit-II

Industrial Disputes in India :-

(25 marks) (16 periods)

(a) Meaning and Definitions of Industrial Disputes
(b) Causes of Industrial Disputes
(c) Consequences of Industrial Disputes
(d) Meaning of Strikes and Lockouts- Legal and Illegal
(e) Machineries for the Settlement of Industrial Disputes
(f) Grievances Settlement Authority
(g) Works Committee
(h) Conciliation Officer
(i) Voluntary Arbitration
(j) Labor Court
(k) Industrial Tribunal and
(l) National Tribunal
(m) Unfair Labor Practices
(n) National Commission or Labor
(o) Globalization & Compact on IR
(p) Awards

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Unit-III

Collective Bargaining **(25 marks)(16 Periods)**

(a) Meaning, Objectives and Scope of Collective Bargaining
(b) Prerequisites of Collective Bargaining
(c) Process of Collective Bargaining
(d) Levels of Collective Bargaining
(e) Collective Agreement

Unit-IV

Workers Participation in Management: **(25 Marks) (16 Period)**

(a) Meaning and Definitions of Workers Participation in Management
(b) Forms of Workers Participation in Management
(c) Workers Participation in Management in India
(d) JOINT FORUMS:-
  i) Joint management Councils.(JMC)
  ii) Canteen Committee
  iii) Safety Committee
  iv) Welfare Committee Production Committee.

INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT

SECOND YEAR, PAPER-II

(Personnel Management)

Unit-I

Personnel Management. **(25 Marks) (16 period)**

(a) Meaning and Definition of Personnel Management
(b) Objectives and Scope of Personnel Management
(c) Importance of Personnel Management
(d) Functions of Personnel Management
(e) Growth and Development of Personnel Management
(f) Personnel Management v/s Human Resource Management
(g) Objectives and Functions of Human Resource Management

Unit-II

Recruitment, Selection and Training **(25 Marks) (16 periods)**

(a) Meaning and Definition of Recruitment
(b) Sources of Recruitment-Internal and External with their Merits and Demerits

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Unit-III

(25 Marks) (16 periods)

Labor Welfare and Social Security

a) Meaning and Definition of Labor Welfare

b) Aims and objectives of labor welfare

c) Concept and Scope of Labor Welfare

d) Philosophy of Labor Welfare

e) Principals of labour Welfare

f) Meaning and Definitions of Social Security

g) Social Assistance and Social Insurance

h) ESIA-1948

i) Maternity Benefit Act, 1961

(j) Employees Compensation Act 1923

Unit-IV

(25 Marks) (16 periods)

a) Statutory Labor Welfare measures with special reference to welfare, working hours and Annual leav with wages under the Factories Act, 1948

b) Functions of Welfare Officer in industry

c) Labor Administration in Odisha, Structure and Functions of the District, Zonal and State Level

d) International Labor Organisation(ILO)

e) Aims and Objectives of ILO

f) Structure and Functions of ILO

g) Impact of ILO on Industrial Relations in India.

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INDIAN MUSIC

ODISSI VOCAL

(Vocal and Instrumental) Applied and General Theory

FIRST YEAR

Sub Code- IMOV

Full Mark - 100
Practical - 60
Theory - 40 marks **Time - 2 hours**

(Each Unit Carries 8 Marks and 6 classes annually)

Unit - I

Characteristics feature of all the Ragas and Talas prescribed for this year.

a) Ragas are - Sankaravarana Kafi, Mukhari, Gauda, Khamaj, Bajrakanti, Mohana

b) Talas are -Ekatali, Khemta, Rupak, Jati, Jhula

Unit -II

a) Knowledge of writing notation of the Ragas.

b) Knowledge of writing layakari (Eka Guna, Dui Guna, Chou-Guna) with sastriya Parichaya.

c) Definition and Description of Tanpura.

Unit - III

Definition of following musical Terms.

Dhawni Nada, (Ahata-Anahata), Sangeeta, Badl, Sambadi, Saptaka (Mandra- Madhya,Tara), Bibadi Rag, Anubadi, Aroha, Abaroha, Tala, Laya (Vilambit-Madhya-Druta) Prabadha,

Unit - IV

(a) Swara sruti Bibhajana
(b) Comparative study.
  (i) Swara- Sruti
  (ii) Mela- Raga.
  (iii) Purbaraga- Utterraga.

Unit - V

Biography of the following
  (i) Jayadev
  (ii) Singhari Shyamsundar Kar
  (iii) Pandit Nrusingha Nath Khuntia.

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(VOCAL AND INSTRUMENTAL)

FIRST YEAR, Sub Code- IMOV

PRACTICAL

Time- 40 Minutes

(Each Unit Carries 12 Marks and 12 classes annually)

Unit - I

1. Each Candidate will have to select one Raga of this course as his/her choice.

Unit - II

2. Each Candidate will have to sing one Bhajan and Janana.
   light classical song, one patriotic, one folk song.

Unit - III

3. Candidates to sing one chhanda, one champu, one Geeta Govinda.

Unit - IV

4. Test of Talas (Eka Guna- Dui Guna)

Unit - V

5. Identification of Swaras and Ragas asked by the Examiner.

Total 60 Marks - 40 Minutes

ODISSI VOCAL

SECOND YEAR

APPLIED AND GENERAL THEORY

Full Marks -

Practical -

Theory -

Unit - I

(Each Unit carries 8 Marks and 6 classes annually)

Characteristic features of all the Ragas and Talas prescribed for this year.

a) Ragas are - Kalayana, Baradi, Kamodi, Ashabari, Bhairabi, Malabagouda, Deshakhya.

b) Tala are - Ektali, Tripata, Jhampa, Jati Tala, Aditala.

Unit - II

a) Study of Notation System

b) Knowledge of writing Layakaries (Eka-Dui-Chariguna)

Unit - III

Definition :-

Varna (Sthayee- Arohi- Abarohi-Sanchari) Alankar, Gamaka, Alpatwa, Bahutwa, Alap, (Anibadha Alap-Nibadha Alap), Bhanati, Sangeet, Mela, Jati (Audaba- Sadaba- Sampurna), Purbanga - utararga, Badi, Raga, Swor Malika, Sasabad Kriya and Nisabad Kriya.

Unit - IV

Definition and comparative study :

a) Odissi, Chhanda, Champu, Janana, Bhajana, Choutisha,

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b) Structural description and Tuning system of Mardal.

Unit - V

(a) Biography of the following

i) Sangeeta Sudhakar Balakrushna Dash

ii) Kavisurya Baladev Rath

(b) Writing essay of the following

i) Aims of learning Music.

SECOND YEAR

Sub Code- IMOV

PRACTICAL

Time- 40 Minutes

(Each Unit.carries 12 Marks and 12 classes annually)

Unit - I

1. Each candidate will have to select one Raga of this course as his/he" choice.

Unit - II

2. Each candidate will have to Sing one Bhajan.and one Janana, one light classical song, one, patriotic, one folk song.

Unit - III

3. Candidate to sing one chhanda, or one champu, or one Geeta Govinda

Unit - IV

4. Test of Talas with Layakari (Eka-Dui-Chouguna Kriya)

Unit - V

5. Identification of Sworas and Ragas asked by the Examiner

Total - 40 Minutes

Prescribed Books :

Practical - Indian Music. Odissi Vocal

1. Laxkhyana Swora Malik Lahari - Dr. D. Hota
2. Srimandira Sangeeta Mala - Pandit N.N.Khuntia
3. Odissi Sangeeta Manjari - Pandit G.C. Panda
4. Sangeeta Markandeya - Pandit Markandeya Mohapatra
5. Aiankar Ratnabali - Sri Ramhari Das.
6. Odissi Raga Sangeeta - Lokanath Pal

(Part-I,II,III)

7. Odissi Sangeeta Sworalipi - Sri A.K. Lenka.
8. Champu Sworalipi - Sangeet Natak Academy/Odissi Research Centre.

Theory

1. Bharatiya Sangeeta Itihas - Dr. D. Hota
2. Utkal Sangeeta Padhati - Shyam Sundar Dhir

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3. Bharatiya Sangeeta - N. Panigrahi
4. Sangeeta Sangyan - Sri Ramhari Das
5. Odissi Sangeetara Parampara O Prayoga - Sri Ramhari Das.

HINDUSTANI VOCAL MUSIC

FIRST YEAR

Code - I.M.H.V

Full Marks - 100
Theory - 40
Practical - 60

THEORY

Applied and General Theory

(Each Unit Carries 8 marks and 6 classes annually)

Unit - I

Characteristic features (Sastriya Parichaya) of all the Raagas and Taalas of this year course. Such as :-

(a) Ragas: -Bhupali, Kafi, Khamaj, Alheiyabilawal, Vrindabenisarang, Desh, Kalyan, Asabari, Bageshree, Durga, Bhimpalasi and Bhairaba.
(b) Taalas: Tritaal, Jhamptal, Ektal, Chautal.Rupak, Dadna and Kaharwa

Unit - II

Preliminary Knowledge of writing notation of all the compositions of the prescribed ragas and talas of this year.

Unit - III

Definition of the foliowings :

Dhwani, Naada, Swara, Sruti, Saptaka, Sangeeta, Raaga, Graha, Ansa, Nyasa, Apanyasa, Vinyasa, Vadi, Samavadi, Anuvadi, Vibadi, Tbaat and it's Verities, Varna, Purbanga, Utaranga, Alankar, Aiaap, Taan, Boltaan, Bolbant, Dhrupad, Khayal, Sargamtaan, Laxyangeet and Bhajan.

Unit - IV

Comparative study of the following :

Raga - That Swara-Sruti, Tala-Laya, Alaap-tan, Boltan-Bolbant.

Unit - V

Life Sketches :

(a) Pt. V. N. Bhatkhande.
(b) Pt. V.D. Paluskar
(c) Tansen

PRACTICAL FOR +2 1ST YEAR ARTS IN IMHV

EACH UNIT CARRIES 12 MARKS &
12 CLASSES ANNUALLY

Unit - I

Candidates will be taught at least one Chhota Khayal with simple Alaap and Tan in each of the

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following prescribed Raagas :-

Bhupali, Kafi, Khamaj, Vrindabani-Sarang, Desh, Durga, Alheiya-Bilawal, Bageshree Bhimpalasi, Kalyart, Asabari and Bhairaba.

Unit - II

Candidates will be taught the knowledge of Layakeries (2 guan and 4 guan) in the following Taalas - Tritaal, Jhamptal, Ektal, Chautal, Dadra and Kaharwa.

Unit-III

Candidates will be taught one Dhrupad based on any prescribed raag with Dugun and chaugun layakaries.

Unit - IV

Identification of Raagas, Taalas and Swaras which will be asked by the examiner.

Unit - V

Candidates will be taught one Light classical composition (Bhajan)

HINDUSTANI VOCAL MUSIC

FOR +2 SECOND YEAR ARTS

CODE :- I M H V

Full Marks - 100

Theory - 40

Practical - 60

THEORY

APPLIED AND GENERAL THEORY CODE - IMHV

EACH UNIT CARRIES 8 MARKS & 6 CLASSES ANNUALLY

Unit -I

Characteristic features (Sastriya Parichaya) of all the Raagas and Taalas prescribed for this year course Such as :-

(a) Bihag, Patdeep, Kedar, Hameer, Tilakkamod, Sankara, Malkauns and Bhairavi,

(b) Talas : Dharmar, Jhumura, Tilwara and Vilambit Ektal.

Unit -II

Study of the following :-

(a) Brief History of Indian Music.

(b) Physical description and tunning systems of Taanpura.

Unit - III

Definitions :-

Gamak, Meend, Kaku, Jaati and its verities., Alpatwa, Bahutwa, Gayaki, Nayaki, Janakfhaa£9anyaraag, Asrayaraag, Thaat and its verities, Sasabad Kriya and Nisabad Kriya

Unit - IV

Essays :-

(a) Necessity of Music.

(b) Role of Taala and Laya in Music.

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(c) A classical Music Evening.

Unit - V

General study of the following :

(a) Sruti Swara Bibhajana (Ancient, Medieval and Modern Period).

(b) Notation System of Indian Classical Music (Pt. Paluskar and Pt. Bhatkhande System).

PRACTICAL +2 SECOND YEAR ARTS
HINDUSTANI VOCAL MUSIC
CODE: IMHV

PRACTICAL
(Each Unit carries 12 Marks and 12 classes annually)

Unit - I

Candidate will be taught atleast one chhota-Khayal in each of the following ragas : Bihag, Pattadeep, Kedar, Hameer, Sankera, Malkouns, Tilak Kamod and Bhairabi.

Unit - II

Candidates will be taught at least 2 Badakhayal in any of the prescribed raagas with Alaap, Boitaan and Taan.

Unit - **III**

Candidates will be taught one Dhrupad based on any Raga of this year with layakaries : (2 gun, 3 gun and chaugun 4 gun)

Unit - IV

Candidates will be taught the following taalas with layakeries (2 gun, 3 gun and Chaugun 4,.gun)
(a) Jhumura (b) Dhamar (c):ilwara and (d)Vilambit EkM

Unit - V

(a) Candidates will be taugrtt.2 light classical composition.

(b) Candidates will be taught to identify the Raagas, Taalas and SwaraS'asked by the examiner from the syllabus.

DIVISION OF MARKS AND TIME PRESCRIBED FOR EACH CANDIDATE AT THE TIME OF PRACTICAL EXAMINATION. (FOR BOTH THE YEAR)

1. Each candidate will have to select one Badakhayal and Chhota Khayal based on any raaga of the course as his/her choice, which carries. 15 minutes

2. Each candidate will have to demonstrate one Dhrupad with layakaries which carries. 05 minutes

3. Examiners Choice from the course other than candidates choice which carries. 05 minutes

4. Test of Talas with layakaries which carries.

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05 minutes

5. Identification of Swara, Raga and Tala which carries.

05 minutes

6. Each candidate will have to demonstrate one light classical composition which carries

05 minutes.

Total : 40 minutes

Time for each candidate.

Prescribed Book for +2 1st Year and llnd Year in HINDUSTANI VOCAL MUSIC.

1. Hindustani Sangeet Lahari (Part-I, II, III) - By Dr. Damodar Hota.
2. Sangeeta Shastra - By Dr. Damodar Hota)
3. Bharatiya Sangeetara Raltihas - By Dr. Damodar Hota.
4. Raaga Sangeeta (Part-I, II, III) - by Dr, M.C. Senapati

Arts Stream

5. Sangeet Visharad - By Vasant, Hatharas, U.P.
6. Raga Parichaya (Part-I, III)- By Harischandra Srivastava. Hatharas, U.P.
7. Sahgeetanjali (Part-I, II, III)- By P. Omkarnath Thakur.Hatharas, U.P.
8. Raga Vigyan (Pa'rt-ll, III)- By Y. R. Pattavardhan. Hatharas, U.P.
9. Hamare Sangeet Ratna - By Hatharas L.N. Garg.Hatharas, U.P.
10. Bhatkhande Sangeeti Shastre, (Part-I, II) - By V.N.Bhatkhande Hatharas, U.P.
11. Kramik Pustak Malika (Part-I, II) - By Pt. V. N. Bhatkhande. Hatharas, U.P.

INDIAN MUSIC (TABLA)

SUBJECT CODE :- IMP

The course consists of two theory papers each carrying 40 marks each Of 2 hours duration and two practical paper carrying 60 marks each.

The theory paper -1 shall be covered in the 1st year and the theory paper - II in the Second Year. The Practical Examinations i.e. (Practical Paper - I and Practical[l] Paper - II) shall also be conducted in the 1st and 2nd year respectively.

THEORY PAPER - I
(APPlHED AND GENERAL THEORY)
FOR FIRST YEAR

Each unit carries 8 marks :

30 periods

Unit - I

6 periods

(a) Music: Definition of Music according to musicians.
(b) Origin of Music: -Religious theory regarding its origination.
(c) Significance of Music: It's impact on human beings.

Unit - II

7 periods

(a) Musical Instruments of India :- Classification, their definition.

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(b) Abanadha Badya of India .-It's definition, classification and structure.
(c) Life history of tabla: It's origin, structural method and role in Music.

Unit - III

7 periods

Essay of the followings :-
(a) Importance of Tal in Music.
(b) Aim of learning Tabla.
(c) A musical programme you have attended.
(d) Role of Radio and Television in Propagation and spread of Music.

Unit - IV

5 periods

(a) Typical qualities of Tabla players.
  (i) Their good and bad qualities.
  (ii) Their impact on the audience
(b) Description of Tal :- Definition, their characteristics.

Unit - V

5 periods

Definition of various musical terms :-
Abanadha, Tai, Theka, Matro, Bivag, Som, Khaii, Bole, Chhanda and Jati.

Total-30 periods

PRACTICAL

Time- 40 minutes

The division of marks is as follows :-

1. Each candidate will have to select. One Tal of this courses for if his/her sole (Lahara) performance as choice Tal.

20 marks-15 minutes.

2. Each candidate is required to play the sole (Lahara) as desired by the examiner :-

15 marks - 10 minutes.

3. Each candidate is required to play one kayada with palats and Tyahi besides his/her choice :-

10 marks-05 minutes.

4. Test of Tal from the course-

10 marks -05 minutes.

5. Each candidate will have to play either Rela or Tukuda or Damdar Tyahi as directs :-

5 marks - 05 minutes.

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PRACTICAL
FOR 1ST YEAR

Each unit carries twelve marks Full marks - 60

60 periods

Unit - I

12 periods

(a) Practice of the following Banees.
TA, NA, Tin, Tee, Tuna, Ke, Ka, Ge, Ghe, Dha, Dhin, Tete, Terekete, Kedenaga and Ghedenag.

(b) Recitation of Thekas :-
Trital, Jhamptal, Ektal, Jhumura, Tilwada, Rupak, Teora, Dadra, Dhumali and Kaharawa.

(c) Candidate will be taught Barabar, Digun and.Chaugun layakaries.

Unit -II **15 periods**

(a) Characteristic features of all the prescribed taaias.

(b) Candidates will be taught Drutt Thekas of Trital, Jhamptal, Rupak, Kaharawa, Jhumura, Ektal, Tilwada, Teora, Dadra and Dhumali.

Unit - III **15 periods**

Candidates will be taught atleast two Kayada with plalats and two Damdar Tyahis set to Trital .and Jhamptal each with the help of Ghedenag, Keedenag, Dha, Dhin, Tuna and Din Banees.

Unit - IV **10 periods**

(a) Candidates will be taught the padhat of Tukuda, Kayada and Theka by beating of hand showing Som, Tali, Khaii and Bivag.

(b) Candidates will be taught at least two Tukuda in Trital and Jhamptal each.

Unit - V **8 periods**

(a) Candidates will be taught mukhuda set to Trital and Jhamptal each.

(b) Candidates will be taught the prakars of Trital and Jhamptal.

Total - 60 periods

SECOND YEAR THEORY (Applied and General theory)

30 periods

Each Unit carries 8 marks:-

Unit - I

5 periods

(a) Letters of Tabla :-Main letters, their categories arid production from different parts.

(b) Sangat and Sole Playing :- Definition of Sangat Sole and their Principles.

(c) Tuning System of Tabla :- Necessity of tuning, Principles of tuning the tabla and Dugee.

Unit - II

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6 periods

(a) Notation Systems: - Categories used in Indian Music, Principles trf B.N. Shatkhande and B.D. Paluskar notation system.
Similarities and dissimilarities between those two systems.

(b) Similarities and dissimilarities between various Talas.
Trital :- Tilwada Dipchandi :- Jhumura
Rupak :- Teora Dhumali :- Kaharawa

Unit - III

4 periods

Definition of various musical terms :- Kholi, Mudi, Theka, Prakar, Palat, Kayada, Rele, Mukhuda, Tukuda, Uthan, Peskar, Tyahi and Laya.

Unit -IV

8 periods

(a) Dasapran of Tal: - It's definitions and divisions.

(b) Life history Of eminent Tabla players :-
(i) Ahamadjan Thirgwa (iv) Nab kumar Panda
(ii) Kanthe Maharaj (v) Sampta prasad Mishra
(iii) Khetramohan Kar

Birth and musical tradition of their family learning, speciality, personality and contribution to the world of music.

Unit - V

7 periods

Gharana and Baj
Their origin, definition, categories, similarities and dissimilarities between Delhi and Banaras Baj.

Total -30 periods

SECOND YEAR (PRACTICAL)

Each unit carries twelve marks :-

60 periods

Unit - I

12 periods

(a) Candidates will be taught to play Ekgun, Digun and Chaugunlaya of Theka set to Trital, Jhamptal and Rupak.

(b) Candidates will be taught atleast one simple Rela set to Trital, Jhamptal and Rupak tal each.

Unit - II

10 periods

Candidates will be taught two kayada with palate and one Damdar Tyahi in each set to Trital, Jhamptal with the help of Tereketa, Dhetetete and Kredhetete Banees.

Unit - III

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14 periods

(a) Candidates will be taught to play Prakars set to Trital, Jhamptal, Rupak, Kaharawa & Dadratal.

(b) Candidates will be taught to play the Drutt thekas of Ektal, Jhumuratal, Dhumali, Tiiwara and teoratal with Prakars.

Unit - IV

12 periods

(a) Candidates will be taught to play Kayada in Ghedenag Banee.

(b) Candidates will be taught Kayada in Tereketa Banees.

Unit - V

12 periods

(a) Candidates will be taught to play two tukudas set to Trital, Jhamptal and Rupaktal in each.

(b) Candidates will be taught to play Chakradar set to, Trital, and Jhamptal.

(c) Candidates will be taught to play Drutt Thekas set to Trital, Jhamptal, Dadratal and Kaharawa with various prakars.

Total - 60 periods

INFORMATION TECHNOLOGY

+2 1st Year SC/ARTS/COM

Unit-1

Introduction to computer system

A) Hardware concepts : [10 periods] ..... 10 marks

I) Computer organisation :

CPU, Memory (RAM & ROM & I /O), devices, communication bus, ports (serial parallel)

II) Input devices :

Keyboard, Mouse,Light pen, touch screen, graphic tablets, joystick, microphone, OCR, OMR, scanner, smart card reader, BCR, MICR, BIOMETRIC sensors, web camera.

III) Output devices :

Monitor/VDU, LED/LCD screen, television, printers (DMP, deskjet / inkjet/bubble jet printer, laser printer), plotter, speaker.

IV) Memory unit :

Memory, types of memory, RAM(SDAM, DRAM), ROM(PROM, EPROM, EEPROM),

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B) Types of software :

I) System software : [10 periods] ..... 10 marks

Operating systems, need for operating system, major functions of operating system, OS for Main frame, PC/server, mobile services, language processors (assembler, interpreter & compiler)

II) Utility software :

Compression tools, disk defragmenter, anti virus.

III) Application software :

General purpose applicaton (word processor, spreadshet packages, presentation software, DBMS, IDE software), specific purpose application software (Inventory Management Software, Human Resource Management System (HRMS), Payroll systems, Financial Management System, Reservation System).

IV) Open source concepts : [7 periods] ..... 05 marks

Open source software, common foss/floss(GNU/LINUX, Firefox, Openoffice, java, NETBEANS, MYSQL), common open standards (www, html, xml, dhtml), indian language computing, character coding, unicode, different types of fonts (open type versus true type, static vs dynamic), entering language text (phonetic & key map based).

Unit - 2 :

Introduction to programming : [45 periods] ..... 25 marks

I) Getting started with programming with IDE : [20 periods] ..... 11 marks

Introduction, rapid application development with ide, basic interface components (label, text field, text area, button, checkbox, radio button) devloping general application, getting familiar with java swing user interface components (frame, dialog, option pane, panal, scroll pane, label, text field, password field, text area, button, check box, radio button, combo box, list), basic components handling methods & properties (Set text (), gettext () Is Selected (), Set Selected ())

II) Programming fundamentals : [15 periods] ..... 10 marks

Data types, concept of data types, built in data types (byte, short, int, long, float, double, char, string, boolean), variables, declaring variables, naming a variable, assigning value to variables, integer object method (parse int), double object method (parse double, parse float), control structure, decision structure (if, if.... else, switch), looping structure (while, Do-While, for)

III) Programming guidelines : [10 periods] ..... 04 marks

General concepts, Modular approach, running and debuging programs, (syntax errors, runtime error, logical errors), problem solving procedures (understanding the problem, identifying minimum number of inputs required for output, breaking down problem into simple logical steps)

Unit-3 : Relational database management system : [30 periods] ..... 20 marks

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I) DBMS : [10 periods] ..... 10 marks

Introduction to data base concepts, Database, Relational database, Relation/ Table, Attribute/Field, Tuple/Row, Data types, text (char, varchar), number (decimal, int/integer), date & time. Keys (candidate key, primary key, Alternate key, Foreign key), Examples of common database management tools for mobile devices.

II) Introduction to MYSQL : [13 periods] ..... 05 marks

(ANSI SQL 99 standard commands)

Classification of SQL commands, DML (Select, Insert, Update, Delete), DDL(Create, Drop, Alter), Creating & using a database (SQL Create command to create a database, Use command to select a database), creating a Table (Create command to create a table, DESC command to display a table structure, Insert command for inserting new rows), displaying table data (select command to select all the columns, selecting specific columns using arithmetic operators, operator precedence), Defining & using column alias, eliminating deplicate values from display using Distinct keyword, Limiting rows during selection using where clause using comparison operator (=, <, >, <=, >=, <>, BETWEEN, IN, LIKE (%,-)), and using Logical operators (AND, OR, NOT & correcting logical operator precedence).

Unit -4 : IT APPLICATIONS : [7 periods] ..... 5 marks

I) E-GOVERNANCE : [4periods] ..... 3 marks

Definition, Benefit to citizens, its web sites & its social impact, e-governance challenges

II) E-learning : [3 periods]..... 2 marks

Defination, Benefit to students (learners), Benefit to teachers (Training Management), e-Learning websides & its social impact.

PRACTICAL :

I) Problem solving using Java ..... 10 marks

II) SQL Queries ..... 05 marks

III) Pratical Records ..... 10 marks

[Productivity Tools, Simple problem using Java SQL Queries, IT Application]

IV) Viva Voce ..... 05 marks

Evaluation of practical Examination :

a) **Problem / Solving** using Java :

Student is required to solve programming problems based or all concept covered in the experiment to maintain a record of these in the practical file.

b) **SQL Queries** :

Students will be asked to write 5 SQL queries in MY SQL based on one or two

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table during the final examination.

c) Pratical Record File :

A practical record file should include the following :

i) At least 10 solution of simple problems using IDE based java.

ii) At least 3 IT application ..... problem - solving frame work.

iii) At least 15 SQL queries on any database.

d) Viva Voce :

Swing Control Methods & Properties :

Class :	Jbutton
Swing control :	JButton
Methods :	get Text (), set Text ()
Propeties :	Background, Enabled, Font, Foreground, Text, Label
Calss :	Jlabel,jLabal
Swing control :	JLabel
Methods :	get Text (), set Text ()
Propeties :	Background, Enabled, Font, Foreground, Text
Class :	Jtext Field
Swing control :	j Text Field, j Text
Methods :	get Text (), IsEditable (), set Text ()
Propeties :	Backgroud, Editable Enabled, Font, Foreground, Text
Class :	Jradio Button
Swing control :	J Radio Button, J Radio
Methods :	get Text(), set Text(), is Selected(), set Selected ()
Propeties :	Background, Button Group, Enabled, Font, Foreground, Label, Selected, Text
Class :	Jcheck Box
Swing control :	jCheck Box
Methods :	get Text(), set Text (), is Selected(), set Selected()
Propeties :	Button Group, Font, Foreground, Label, Selected, Text
Class :	Button Group
Swing control :	jButton Group
Methods :	
Propeties :	Add
Class :	JcomboBox
Swing control :	jCombpBox
Methods :	get Selected Item (), get Selected Index (), set Model ()

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Propeties :	Backgroup, Button Group, Editable, Enabled, Font, Foreground, Model, SelectedIndex, SelectedItem, Text
Class :	Jlist
Swing control :	j List
Methods :	get Selected Value ()
Propeties :	Backgroup, Buttom Group, Editable, Enabled, Font, Foreground, Model, Selected Index, Selected Item, Text
Class :	Jtable
Swing control :	jTable
Methods:	addRow(), get Model ()
Propeties :	Model
Class :	Joption Pane
Swing control :	
Methods :	showMessage Dialog ()
Propeties :	
Class :	Default Table Model
Swing control :	get Row Count (), remove Row (), add Row ()
Methods :	
Propeties :	

Commonly used Methods :

Class	**Methods**
Integer	ParseInt (), to Double(), to String()
String	Concat (), length (), substring (), to Double (), to Lower Case(), to Upper Case (), trim ()
Double	parseDouble(), toString(), toInt()
Math	pow(), round()

Database Connectivity Methods :

Class	**Methods**
Connection	create Statement(), close ()
Driver Manager	get Connection ()
Statement	execute Query()
Result Set	Next(), first(), last(), getString()
Exception	get Message()
System	Exit()

Information Technology

2nd Year Paper - II

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UNIT-1 : Networking & Open Standards : [25 Periods] ..... [30 Marks]

i) Computer Networking : [08 Periods] ..... [10 Marks]

Networking - a brief overview, Network devices (Hub, Switch, Bridge, Router, Repeater, Gateway) & their functions, Type of Network (LAN, MAN, WAN, PAN) Network Topologies (Star, Ring, Bus, Tree), Communication, Media, Wired Technologies [Coaxial, Ethernet cable, optical fiber] Wireless Technologies [Bluetooth, Infrared, Microwave, Radio Link, Satellite link]

ii) Internet & its Application : [12 Periods] ..... [10 Marks]

Internet - an Overview, Internet Backbone, Internet Access (Dial-up, direct, Broadband connection), Role of ISP, Internet Protocols (TCP/IP, HTTP, FTP, TELNET, WAIS, GOPHER), Internet Addressing (IP Address, Domain names), MAC (Media Access Control), URL, E-mail, Address, Internet Application [www, websites & web pages, E-mail, SMS, voice mail, chatting, IRC, Video conferencing, web browsers, search Engine] wireless/mobile communication [GSM, CDMA, WLL, 3G, 4G]

iii) Network security on internet : [05 Periods] ..... [10 Marks]

Threats & prevention from virus, Use of cookies, Firewall, use of digital signature, cyber crimes [Hacking, on-line fraud, pornography, snooping, spooling, cyber stalking, software piracy] Cyber Laws.

UNIT - 2 : Programming : [Reviews of 1st yr] : [40 periods] ..... [16 Marks]

i) Programming fundamentals : [28 periods] ..... [10 Marks]

Basic concept of Access specifier for class member [data member & methods], Basic concept of inheritance, Commonly used libraries ..... staring class & methods [tasting(), concat (), length(), to lower case (), to upper case (), trim (), substring ()] & math class & methods [pow (), round ()], Accessing MY SQL database using ODBC, JDBC to connect with database.

ii) HTML based web page covering basic tag : [12 periods] ... [6 marks]

HTML, DHTML, TITLE, BODY, H1 ..... H6, Paragraph (P) Line break (BR), Section separator (HR), font, table, list (UL, OL), FORM, Creating & Accessing static & dynamic pages using HTML, DHTML & introduction to XML.

UNIT - 3 : Relational Database Management System : [30 Periods] [14 Marks]

i) Database fundamentals : [20 periods] ..... [8 Marks]

Concept of Database Transaction, committing and revoking a transaction using COMMIT & ROLLBACK, Grouping Records, GROUP BY, Group function [MAX (), MIN (), AVG(), SUM(), COUNT()] Using COUNT (*), DIDINCT clause with COUNT, group function & NULL value, displaying data from multiple tables [Cartesian product, union, concept of foreign key, equi-join].

ii) Introduction to MYSQL : [10 periods] ..... [6 Marks]

Working with NULL value, ORDER BY CLAUSE [sorting in ascending / desceding order, sorting by column alias name, sorting or multiple column], manipulating data of a table / relation [update command to change exiting data of a table, delete command for

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removing rows from a table], restructuring a table [ALTER TABLE for adding new columns and deleting columns], string function [ASCII(), CHAR(), CONCAT(), INSTR(), LCASE(), UCASE (), LENGTH (), LTRIM(), MID (), RIGHT (), RTRIM (), TRIM (), SUBSTR ()],

Mathematical functions [POWER (), ROUND(), TRUNCATE()], Date & time functions [CURDATE(), DATE(), MONTH(), DAYOFMONTH(), DAYOFWEEK(), DAYOFYEAR(), NOW(), SYSDATE()].

UNIT - 4 : IT Applications : [10 periods ..... [10 Marks]

i) E-business

Definition, E-commerce & its type with benefits, E-business websites & their salient features & Social impacts, E business challengers.

ii) Front-end Interface :

Introduction, Content & Features, identifying validation & display (Text Box, Radio Button, Check Box, list etc.)

iii) Front-end & Database connectivity :

Introduction, requirement & benefits

iv) Back - end database :

Introduction & its purpose, exploring the requirement of table & its essential attributes.

v) Development of database : Demonstrator & development of appropriate front - end interface & back - end interface database for e - governance applications.

PRACTICALS :

1. Problem solving using java ..... [10 Marks]
2. SQL Queries .....[05 Marks]
3. Practical records .....[05 Marks]
   - I) Simple problems using IDE Java
   - II) SQL Queries
   - III) Web-page creation by HTML
   - IV) IT Application
4. Project work ..... [05 Marks]
5. Viva Voce ..... [05 Marks]

Evaluation of practical Examination :

1. Students will be given a problem to be solved using java during final practical examination based on all concepts covered in theory.
2. SQL Queries :

Students will be asked to write 5 SQL queries in MY SQL based on one or two tables during final practical examination.

3. Practical record :

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A practical record should include the following :

a) At least 12 solution of simple problem using IDE based java.

b) Solution of at least 2 simple problem incorporating java application & database connectivity.

c) At least 24 SQL queries on one & / or two tables.

d) At least two web pages creating using HTML.

4. Project file :

Students in group of 2/3 are required to work collaboratively to develop a project using programming & database skills. This project should be an application in any one of the domain..... .

a) E - governance

b) E - business

c) E - learning

With GUI front - end & corresponding database at the back - end.

5. Viva Voce

Question paper design (For Theory)

+2 1st yr (Sc/Arts/Commerce)

A. Very short Question : (1 Marks)

i) Introduction to computer systems (4 question x 1 marks) ..... 4 mark

ii) Types of software (2 question x 1 marks) ..... 2 marks

iii) Getting started with programming using IDE (1 question x 1 marks)..... 1 marks

iv) Open source concept (1 question x 1 marks) ..... 1 marks

v) Introduction to MY SQL (3 question x 1 marks) .....3 marks

vi) IT Application (1 question x 1 marks) ..... 1 marks

B. Short question : (2 mark each)

i) Introduction to computer system (1 question x 2 marks) ..... 2 marks

ii) Type of software (2 question x 2 marks) ..... 4 marks

iii) Programming using IDE (2 question x 2 marks) ..... 4 marks

iv) Introduction to MY SQL (1 question x 2 marks) ..... 2 marks

v) DBMS - (1 question x 2 marks) ..... 2 marks

vi) IT Application (2 question x 2 marks) ..... 4 marks

C. Short question : (4 marks each)

i) Introduction to computer system (1 question x 4 marks) ..... 4 marks

ii) Type of software (1 question x 4 marks) ..... 4 marks

iii) Open source concept (1 question x 4 marks) ..... 4 marks

iv) DBMS (2 question x 4 marks) ..... 8 marks

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v) Programming fundamentals (1 question x 4 marks) ..... 4 marks
vi) Programming guideline (1 question x 4 marks) ..... 4 marks

D. Long question : (6 marks each)
i) Programming fundamentals (1 question x 6 marks) ..... 6 marks
ii) Getting started with programming with IDE (1 question x 6 marks) .... 6 marks

+2 2nd Yr Science/Arts/Commerce

A. Very short question : (1 marks each)

i) Computer network	(2 question x 1 marks)	2 marks
ii) Internet & its application	(2 question x 1 marks)	2 marks
iii) Network security	(2 question x 1 marks)	2 marks
iv) Database	(2 question x 1 marks)	2 marks
v) Introduction to MYSQL	(2 question x 1 marks)	2 marks
vi) IT Application	(2 question x 1 marks)	2 marks

B. Short question : (2 Marks each)

i) Computer network	(2 question x 2 marks)	4 marks
ii) Internet & its application	(1 question x 2 marks)	2 marks
iii) Network security	(2 question x 2 marks)	4 marks
iv) HTML base web pages	(1 question x 2 marks)	2 marks
v) Database	(1 question x 2 marks)	2 marks
vi) IT Application	(2 question x 2 marks)	4 marks

C. Short question : (4 Marks each)

i) Computer network	(1 question x 4 marks)	4 marks
ii) Network security	(1 question x 4 marks)	4 marks
iii) Programming Fundamental	(1 question x 4 marks)	4 marks
iv) HTML base web pages	(1 question x 4 marks)	4 marks
v) Database	(1 question x 4 marks)	4 marks
vi) Introduction to MY SQL	(1 question x 4 marks)	4 marks
vii) IT Application	(1 question x 4 marks)	4 marks

D. Long question : (6 marks each)

i) Internet & its application	(1 question x 6 marks)	6 marks
ii) Programming Fundamentals	(1 question x 6 marks)	6 marks

Books Recommended:

1. Bureau's Higher Secondary (+2) INFORMATION TECHNOLOGY, Part-I & II, Published by Odisha State Bureau of Text Book Preparation and Production, Bhubaneswar.

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