ENGLISH
CLASS – X

DISTRIBUTION OF MARKS

	Out of 80	Internal Marks
(i) Prose	25	
(ii) Poetry	15	
(iii) Rapid Reader	10	
(iv) Grammar & Composition	30	
Total Marks	**80**	**20**

ACTIVITIES FOR INTERNAL ASSESSMENT

1. Excursions: To a nearby place of interest, such as museums, zoos, institutions for the differently abled, etc. and to write a brief report.
2. Role Playing: Mock Interview of any characters from the lessons prescribed.
3. Review on Books/Movies: On any topic e.g. wars, differently abled persons, sports personalities, patriots etc.
4. Compose poems on any topic.

MARKING FOR INTERNAL ASSESSMENT

Listening Skills	5
Speaking Skills	5
Writing Skills	5
Miscellaneous Skills	5
Total	**20 Marks**

I. PROSE

Pieces to be read:

1. Powder and Arms – *R. L. Stevenson*
2. Great Expectations – *Charles Dickens*
3. Romeo and Juliet – *Charles and Mary Lamb*
4. The Demon with the Matted Hair – *Indian Folktale*
5. The Monkey's Paw – *W. W. Jacobs*
6. Fourteen – *Alice Gerstenberg*

II. POETRY

Pieces to be read:

1. Life – *Charlotte Bronte*
2. The Gift of India – *Sarojini Naidu*
3. The Solitary Reaper – *William Wordsworth*
4. Exiled – *Edna St. Vincent Millay*
5. The Village Schoolmaster – *Oliver Goldsmith*

III. RAPID READER

- **Oliver Twist**

IV. GRAMMAR & COMPOSITION

Contents:

1. Tenses
2. Active and Passive Voice
3. Reported Speech
4. The Preposition
5. Miscellaneous Idioms
6. Comprehension
7. Letter-Writing (Formal)/Essay
8. E-mail Writing
9. Article Writing
10. Story Writing

PRESCRIBED TEXTBOOKS:

1. Prose & Poetry

- **Reading Circle - X**
  M/S Oxford University Press, Pragjyotish Apartment (1st Floor), M. Tayabullah Road, Dighali Pukhuri (East), Guwahati – 781001.

2. Rapid Reader

- **Oliver Twist**
  M/S Macmillan India Ltd., S. C. Goswami Road, Pan Bazar, Guwahati – 781001.

3. Grammar & Composition

- **Functional English Grammar & Composition**
  M/S Laxmi Publications Pvt. Ltd., Hemsen Complex, M. D. Shah, Paltan Bazar, Guwahati – 781008.

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ADDITIONAL ENGLISH
CLASS – X

DISTRIBUTION OF MARKS

	Out of 80	Internal Marks
(i) Prose	22	
(ii) Poetry	16	
(iii) Play	15	
(iv) Composition	19	
(v) Essay	08	
Total Marks	**80**	**20**

MARKING FOR INTERNAL ASSESSMENT

(i) Listening and Reading: Eg. Audio clips, newspaper reading, poetry reading and review, vocabulary (spelling and pronunciation).	5 marks
(ii) Writing: Eg. Story or picture composition, reports, dialogue writing, autobiography, biography, note making, diary writing, argumentative essays.	10 marks
(iii) Creative Activities/Assignments: Eg. Advertisements, Quotable quotes, Mock Interview, Slogan Writing, Book review, poster designing, extempore speech, debate, enacting plays, designing greeting cards, public speaking, autograph book, self composed songs or poems.	5 marks

I. PROSE

Pieces to be read:

1. A High Drive – *L. P. Hartley*
2. War – *Luigi Pirandello*
3. Out of Business – *R. K. Narayan*
4. The Postmaster – *R. Tagore*
5. The Lady or the Tiger? – *Frank R. Stockton*

II. POETRY

Pieces to be read:

1. The Education of Nature – *William Wordsworth*
2. Swimmers – *Louis Untermeyer*
3. The Man with the Hoe – *Edwin Markham*
4. If – *Rudyard Kipling*
5. A River – *A. K. Ramanujan*

III. PLAY

- **A Midsummer Night's Dream (Macmillan)**

IV. COMPOSITION

Contents:

1. One Word Substitution
2. Amplification
3. Substance Writing
4. Paraphrasing from the Play
5. Advertisement
6. Picture Composition

PRESCRIBED TEXTBOOKS:

1. Prose

- **A Miscellany of Short Stories**
  Published by Inter University Press Pvt. Ltd., Educational Publishers, 30/7, Shakti Nagar, New Delhi – 110007.

2. Poetry

- **Wings of Poesy**
  M/S Evergreen Publications, 4779/23 Ansari Road, Darya Ganj, New Delhi – 110002.

3. Play

- **A Midsummer Night's Dream**
  M/s Macmillan India Ltd., S. C. Goswami Road, Pan Bazar, Guwahati – 781001.

4. Composition

- **HolyFaith Essential English Grammar & Composition**
  M/S Holy Faith International (P) Ltd., Hem Baruah Road, Pan Bazar, Guwahati – 781001.

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ASSAMESE (MIL)
CLASS – X

DISTRIBUTION OF MARKS

Prose	20
Poetry	15
Rapid Reader	15
Grammar	10
Composition	10
Essay	10
Total Marks	**80**

MARKING FOR INTERNAL ASSESSMENT

1. Activities: a. Extempore speech/prepared speech b. A Report on a few Harvest Festivals observed in Meghalaya c. Write-up on experience of a journey d. Critical review of any poem from the prescribed lesson	10 marks
2. Prepared Speech: (From Textbook)	5 marks
3. Recitation of Poem: Poem should be selected from the textbook.	5 marks
Total	**20 marks**

I. PROSE

Pieces to be read:

1. Chatra jibon aru smaj sewa – *Deinswar Neog*
2. Bharatiya Sanskriti – *Hem Baruah*
3. Asomor jonogosthir gathoni aru sanskrity – *Abdus Sattar*
4. Nuton arn saptados satikar bouddhik biplob – *Dr. Kulendu Pathak*

II. POETRY

Pieces to be read:

1. Bor geet – *Sri Sri Madhadev*
2. Zikir – *Ajain Fakir*
3. Mor desh manuhor desh – *Debakanta Baruah*
4. Drisyantor – *Harekrishna Deka*

III. RAPID READER

- **Mur Saisab, Mur Kaisor** ***by Bhobendra Nath Saikia***

IV. GRAMMAR

Pieces to be read:

Sandhi
Nattwa Aru Shattwa Bidhi
Samasa (Digu Samasa, Bahubrihi Samasa, Abyaieebhab Samasa)
Pratyaya (Tadhit Pratyaya, Stri Pratayaya)
Pad Prakaran
Karak

V. COMPOSITION

Pieces to be read:

1. Make sentences with Phrases and Idioms
2. Opposite words
3. One word for a group of words
4. Similar words, having different meanings
5. Amplification
6. Letter writing

VI. ESSAY WRITING

Types of Essay:

Adarsha Mulak
Bhraman Mulak
Jibani Mulak
Barnana Mulak

PRESCRIBED TEXTBOOK:

1. Prose and Poetry

- **Sahitya Subah for Class IX & X**
  - SEBA.

2. Composition

a) Rachana Bichitra – *D. S. Deka*
b) Prabeshika Rachana Shiksha – *G. Sharma*
c) Assamiya Rachna Shiksha – *Dr. L. Gogoi, Dr. N. Sharma*

3. Grammar

- Adhunik Assamiya Bhaskar Vyakaran by G. Sharma

Assam State Textbook Production & Publication.

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BENGALI (MIL)
CLASS – X

DISTRIBUTION OF MARKS

Prose	16
Poetry	12
Rapid Reader	12
Grammar	22
Composition	18
Total Marks	**80**

MARKING FOR INTERNAL ASSESSMENT

1. A Project work or assignment	10 marks
2. A viva voce on the home assignment submitted	5 marks
3. A viva voce on any assigned topic	5 marks
Total	**20 marks**

I. PROSE

Pieces to be read:

1. Guptadhan – by *Rabindranath Tagore*
2. Adorini – by *Prabathkumar Mukhopadhyay*
3. Tota Kahini – by *Sayad Mujtaba Ali*

II. POETRY

Pieces to be read:

1. Gramyachhabi – by *Girindramohini Dasi*
2. Abar Asibo Phire – by *Jiibananda Das*
3. Rabindranath – by *Achintyakumar Sen*

III. RAPID READER

- **Shrikanta O Indranath *by Sharatchandra Chottopadhyay***

IV. GRAMMAR

Pieces to be read:

1. Definition – apinihiti, abhishruti, swaraagam, borno biparjay, samas
2. Samas o tar chhoyti prokar (samas nirnoy)
3. Bagdhara
4. Ek kothay prokash
5. Somochaarito bhinnarthak shobdo

V. COMPOSITION

Pieces to be read:

1. Comprehension
2. Prabandha Rachana or picture composition/story writing (for blind students)

PRESCRIBED TEXTBOOKS:

1. **Sahitya Sourav – X**
   - M/S Assam State Textbook Production & Publication Corporation Ltd., Guwahati.

2. **Bani Bichitra** (Class VIII – XII) by *Piyush Dey*

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GARO (MIL)
CLASS – X

DISTRIBUTION OF MARKS

Prose	25
Poetry	18
Rapid Reader	10
Grammar	10
Composition	7
Essay/Comprehension	10
Total Marks	**80**

MARKING FOR INTERNAL ASSESSMENT

Writing skills: story writing, picture composition, Life of the poet or author	10 marks
Listening & Reading: Reading, Spelling & Dictations, Phonetics	5 marks
Creativity: Extempore, slogan writing, chart making base on the lesson, Group discussions	5 marks
Total	**20 marks**

I. PROSE & POETRY

Pieces to be read:

1. Rev. Thangkan K. Sangma – *Lindrid D. Shira*
2. Jatni Nisan, Git aro Chin – *Brucellish K. Sangma*
3. Meghalayani Sam Bolrang aro Do·o Matrang – *T. T. C. Marak*
4. Sonaram R. Sangma – *Dr. Milton S. Sangma*
5. Chadambeni Salrang – *Lindrid D. Shira*

II. POETRY

Pieces to be read:

1. Ang' Chakki – *Evelyn R. Marak*
2. Saljong Tasin Me·chik – *Monensing R. Sangma*
3. Pring – *Surendra S. Marak*
4. Basako – *Jonmoni D. Shira*
5. Da·al – *Rev. Gilbert K. Marak*

III. RAPID READER

- Skul Master (Dakmesokani) – *L. D. Shira*

IV. GRAMMAR

<u>Pieces to be read</u>:

Bak - I

Phrase
Clause

Bak – III

1. Verb – Ma·arang, Predicateko Chu·sokatgiparang, Mood, Participle, Verbal Noun, Verbal Adjective aro Tense.
2. Adjective - Ma·arang aro Tosusaani
3. Adverb - Ma·arang aro Tosusaani, Napsikgipa Adverbrang

Recommended textbook:

- A·chik Grammar – *E. G. Phillips*

V. COMPOSITION

i) A·chik Composition – *K. M. Momin*
ii) A·chik Kattarang – *W. K. Sangma*

VI. ESSAY/COMPREHENSION

PRESCRIBED TEXTBOOKS:

1. Prose & Poetry

- **Poraiani Ki tap X**
  - Tura Book Room, Tura, Meghalaya.

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HINDI (MIL)
CLASS – X

DISTRIBUTION OF MARKS

Prose	20 marks
Poetry	20 marks
Rapid Reader	15 marks
Grammar	17 marks
Composition (a) Essay	08 marks
Total	**80 marks**

MARKING FOR INTERNAL ASSESSMENT

1. Home assignment (Life history of any writer) in own handwriting	07 marks
2. Dictation	04 marks
3. Reading	04 marks
4. Spelling	05 marks
Total	**20 marks**

I. PROSE

Pieces to be read:

1. Shahid Bakri – *by Ayodhya Prasad Goyellia*
2. Bade Sapne Dekhe – *by A. P. J. Abdul Kalam*
3. Har Ki Jeet – *by Sudarshan*
4. Tiruwalluwar – *by Mansingh Verma*
5. Neelkanth – *by Mahadevi Varma*
6. Ped Ki Baat - *by Jagaddish Chandra Basu*

II. POETRY

Pieces to be read:

1. Is Matti Ko Naman Karen – *by Mansingh Verma*
2. Vishwa Nagrik Bane – *by Vidhichandra Patwari*
3. Teen Kundaliya – *by Giridhar*
4. Baal Leela – *by Surdas*
5. Uddyami Nar – *by Ramdhari Singh Dinkar*
6. Satpura Ke Ghane Jungle – *by Bhawani Prasad Mishra*

III. RAPID READER

- Sanchayan (NCERT) Part-II

IV. GRAMMAR & COMPOSITION

Pieces to be read:

1. Sandhiyan-Vyanjan, Visarga, Tatha Hindi Ki Sandhiyan
2. Padhvichar Aur Unpadho Ke Bhed (B)
3. Kriya Ka Roob Parivartan Kalo Aur Vidhiyomein
4. Kriya Ke Vachaya Aur Prayog
5. Samas (B)
6. Sabdh – Vivek
7. Padhbandhan
8. Vakya, Upvakaya Aur Unke Bhed
9. Vakya Parivartan
10. Vakya Visleshan
11. Muhabare
12. Lokoktiya
13. Alangkar

Composition

1. Nibandh Lekhan (essay)
   Paropkar – Madhyapanduwara Vinash (Avyasbhi)

PRESCRIBED TEXTBOOKS:

1. ***Deepshika Hindi – Class X***
   – M/S Arya Publishing Company, 1002-1003, Faiz Road, Karol Bagh, New Delhi – 110005.

2. ***Bhasha Vyakaran IX & X***
   – M/S Neeta Prakashan, A-4, Ring Road, South Extension-1, New Delhi – 110049.

3. (i) ***Learn Hindi – Learn Khasi*** (Dictionary)
   (ii) ***Learn Hindi – Learn Garo*** (Dictionary)
   – M/S Gewali Publication, Upper Mawprem, Shillong – 2.

4. Rapid Reader – Sanchayan (NCERT) Part-II.

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KHASI (MIL)
CLASS – X

DISTRIBUTION OF MARKS

Prose	24 marks	
Poetry	14 marks	
Rapid Reader	14 marks	
Grammar & Composition	28 marks	
Total	**80 marks**	**20 marks (Internal)**

MARKING FOR INTERNAL ASSESSMENT

1. Poetry- Text- Ka Duitara Ksiar- *U Soso Tham* Recitation Individual, poetry writing.	6 marks
2. Prose-Text- (I) Ki Dienjat Jong Ki Longshuwa – *Fr. J. Bacchiarello* (ii) Ki Phawer U Aesop- *Soso Tham* (iii) Ki Jingsneng Tymmen-Part I- *Radhon Sing Berry* Poster Designing, Story writing, Extempore, Elocution, Study Tour, Social Activities on any related topics, One act play.	10 marks
3. Rapid Reader – Text- Na Mihngi Sepngi - *Fr. H Elias* Snap pictures related to topics, Study Tour, Designing Greeting Cards on related topics.	2 marks
4. Grammer And Composition- Text- Hints On The Study Of Khasi Language- *D. Nissor Sing Wahlang* Paste collection of pictures depicting the different kinds of Adverb.	2 marks
N.B.:- *Scrap book on any activities done and cover will add to the weightage of marks.*	
TOTAL	**20 marks**

I. PROSE

Pieces to be read:

1. Ka Dorbar U Khasi Hyndai
2. Ki Mawbynna, Mawniam Bad Ki Kor

II. POETRY

Pieces to be read:

1. U Dieng Bilat
2. Ki Sngi Ba La Leit Noh
3. Ka Mynsiem Bashynrang
4. U Ingkhong Shyllangmat

III. KI PHAWER U AESOP

Lynnong: 41-50

IV. KI JINGSNENG TYMMEN (PART-I)

Lynnong: 31-40

III. RAPID READER

Pieces to be read:

1. Ka Nobel Prize
2. Ka Kheiñkur Kheiñkha
3. Ka Trei Ka Ktah Ha Ri Khasi Jaiñtia

IV. GRAMMAR, COMPOSITION & ESSAY

1. The Adverb
2. Adverb and words with which they are used
   From Alphabet 'M' to 'W' Page – 76 to 81
3. Comprehension
4. Essay

PRESCRIBED TEXTBOOKS:

1. Prose

- Ki Dienjat Jong Ki Longshuwa – *J. Bacchiarello*
- Ki Phawer U Aesop – *Soso Tham*
- Ki Jingsneng Tymmen (Part-I) – *Radhon Sing Berry*

2. Poetry

- Ka Duitara Ksiar – *Soso Tham*

3. Rapid Reader

- Na Mihngi Sepngi – *H. Elias*

4. Grammar & Composition

- Hints on the Study of Khasi Language – Ri Khasi Publication, Mawkhar, Shillong – 793001.

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MIZO (MIL)
CLASS – X

DISTRIBUTION OF MARKS

Hla (Poetry)	20 marks
Thu (Prose)	30 marks
Mizo Grammar	20 marks
Thawnthu tawi (Rapid Reader)	10 marks
Total	**80 marks**

MARKING FOR INTERNAL ASSESSMENT

1. Writing skill – Project work, home assignment, composition, amplification, story writing.	10 marks
2. Listening and Reading skill – Dictation, Recitation, News reading, extempore debating.	10 marks
Total	**20 marks**

I. THU (PROSE)

Pieces to be read:

1. Nun kawng – *R. L. Thanmawia*
2. Thalaite Khawvel – *Siamhnuna Khawlhring*
3. Mizo Thufing
4. Zawlbuk – *C. Lianhmingthanga*
5. Peihna – *Sangzuala*
6. Nihna – *Darchhawna*
7. Mizote leh an nihna – *B. Lalthangliana*
8. Tihdan tha
9. Tlemte ka chhiar a, ka Pass tho – *Zikpuii pa*

II. HLA (POETRY)

Pieces to be read:

1. Aw Lalpa, Davida leh a thlah arsi – *Patea*
2. Kum sul liam hnu – *C. Lalkhawliana*
3. Chhul khat kual – *C. Durthanga*
4. Zofate inpumkhatna – *C. Chhuanvawra*
5. Zo bawmtu chhawkhlei par – *H. Lalringa*
6. Zirtu kawng – *Selet Thanga*
7. Mahriak ten a rang ka vai e Parte – *Lalzova*
8. Chhingkhual len mawi – *P. S. Chawngthu*

III. MIZO GRAMMAR

1. Parts of Speech thenkhat – Verb, Adjective, Adverd
2. Mizo tawng hman dik loh thinte
3. Tawng Upa

IV. THAWNTHU TAWI (RAPID READER)

Tualte Vanglai – *Pastor Nikhama*

PRESCRIBED TEXTBOOK:

- **Class X Mizo –** *MBSE Publication*

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NEPALI (MIL)
CLASS – X

DISTRIBUTION OF MARKS

Prose	30 marks
Poetry	18 marks
Rapid Reader	10 marks
Grammar & Composition	22 marks
Total	**80 marks**

MARKING FOR INTERNAL ASSESSMENT

1. Reading Recitation, Dictation, Extempore speech, Elocution	05 marks
2. Home assignment – self composed poem or to write the life story of any poet or author	10 marks
3. Project Work - a) To develop the story from the given picture (visual clue) b) Slogan writing c) Chart making on the basis of Lessons (Paste Pictures and Drawings)	05 marks
Total	**20 marks**

I. PROSE

Pieces to be read:

1. Shikchhachha ko Udheshya
2. Alijheko Ichchha
3. Paras Mani Pradhan
4. Chitthi
5. Paribanda
6. Saya Rupriyanko note
7. Charlicheplin: Ek Asaadharan Vyaktittyo

II. POETRY

Pieces to be read:

1. Gaunthaliko Chiribiri
2. Garib
3. Sweet Falls
4. Sirja Auta Kagajko Itihas
5. Bhanubhakta Prati
6. Adhikar Ra Kartavya

III. RAPID READER

- 'Maita Ghara' by Shri Lain Singh Bangdel

IV. GRAMMAR & COMPOSITION

Pieces to be read:

1. Essay Writing (Nibandha Lekhan)
2. Comprehension (Bodh Pranali)
3. Letter Writing (Patra Lekhan)
4. Amplification (Vistritikaran)
5. Paragraph Writing (Anuchhed Lekhan)
6. Linga, Sangya, Visheshan, Sandhi, Kriya Rayasko Prakar
7. Dhatu Ra Pratyay, Upasarga, Vachya, Vakyansha, Ukhan Ra Tukka
8. Viparitarthak Shabda, Sammocharit Shabda, Prayayvachi Shabda, Shar Shabda

ESTIMATED NUMBER OF PERIODS PER WEEK = 5 (FIVE)

Note: - Teachers may take the help of any other Grammar Book available in the market for their reference.

PRESCRIBED TEXTBOOKS:

1. Prose & Poetry

- **Madhyamik Nepali Sahitya Bhag V**
  Edited by Dr. Tek Narayan Upadhaya
  Published by Text Book Committee (Nepali) Shillong, Meghalaya

2. Rapid Reader

- **'Maita - Ghara'** ***by Shri Lain Singh Bangdel***
  Saajha Prakashan, Kathmandu, Nepal.

3. Grammar & Composition

(i) **Madhhyamik Nepali Vyakaran Ra Rachana**
Written & Compiled By the Expert Academicians
Shri Raaj Prakashan, Darjeeling

OR

(ii) **Vyakaran Saurabh (Chautho Bhaag) (Part – IV)**
Written by Vishnu Sharma Adhikari
Puspa Prakashan, Siliguri.

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URDU (MIL)
CLASS – X

DISTRIBUTION OF MARKS

Prose	25 marks
Poetry	15 marks
Grammar	20 marks
Life History	10 marks
Essay	10 marks
Total	**80 marks**

MARKING FOR INTERNAL ASSESSMENT

1. Reading/Recitation: Reading or reciting passages or verses in Urdu from seen or unseen prose or poetry.	04 marks
2. Writing: Writing paragraphs or verses in Urdu on the topics related to literature or science or environment.	04 marks
3. Comprehension: Understanding passages or verses in Urdu from seen or unseen prose or poetry.	04 marks
4. Life-Sketch: Representing a brief Life-Sketch of authors or poets in Urdu on a chart paper whose writings are included in the academic syllabus.	04 marks
5. Extempore Speech/Group Discussion: A short extempore speech or Group discussion on the topics related to literature or science or environment in Urdu.	04 marks
Total	**20 marks**

I. PROSE

Pieces to be read:

	Afsana	**Writer**
1.	Naya Guanoon	Sadat Hassan Mantoo
2.	Bheek	Hayat-u-Ilah Ansari

Sawaneh (life history)

3.	Sirsyed Ka Bachapan	Altaf Hussain Hali

Darama

4.	Aazmaish	Mohammad Mujeeb

Aapbiti

5.	Chori our Uska Kaffarah	Syed Abid Hussain

Mazmoon

6.	Auraton Ke Haquoque	Sir Syed Ahmad Khan
7.	Makhaloot Zuban	Maulavi Abdul Haque

8.	Mahaul Bachaia	Mohammad Aslam Perveez
9.	Chakabast Lakhnavi	Aal Ahmed Sarvar

II. POETRY

Pieces to be read:

	Ghazal	**Poets**
1.	Bahar Besapre jam Guzre hai	Mirza Mohammad Rafi Sauda
2.	Lai Heyat	Sekh Mohammad Ibrahim Zoque
3.	Dhondage agar Mulkon Mulkon	Shad Aazimabadi
4.	Aalam-e-Razagar	Asgar Goudave

	Nazam	**Poets**
5.	Jalwae Darbar-e-Dehli	Akbar Illahabadi
6.	Haquiquat-e-Husn	Mohammad Iqubal
7.	Aandhi	Kaifi Azami
8.	O-Des-Se A'anewale Bata	Akhtar Shiravi

Rubai

9.	(i) Gulshan mein Phiron ke Saire Sehra Dekhon	Anis
	(ii) Rutba jise dunia mein khuda deta hai	Anis
	(iii) Fitrat ki dihoi musarrat kho kar	Tilok Chand Mahroom
	(iv) Mazhab ki zuban	Tilok Chand Mahroom
	(v) Har aib se mana ke juda hojai	Firaque Gorakhpuri

PRESCRIBED TEXTBOOKS:

1. Prose & Poetry
- **Nawa-e-Urdu (NCERT)**

2. Urdu Grammar Book
- **NCERT**

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MATHEMATICS
CLASS – X

DISTRIBUTION OF MARKS

1.	Number Systems	04 marks
2.	Algebra	20 marks
3.	Co-ordinate Geometry	08 marks
4.	Trigonometry	12 marks
4.	Geometry and Construction	16 marks
5.	Mensuration	10 marks
6.	Statistics and Probability	10 marks
	Total	**80 marks**

WEIGHTAGE OF MARKS FOR INTERNAL ASSESSMENT

The Internal Assessment of 20 marks is to be awarded on the basis of the performance of a student in the activity work, project work and continuous assessment as per the following scheme.

- Assessment through test – 10 marks
- Assessment of Project Work – 5 marks
- Assessment of 2 skills – 5 marks.

For its effective implementation, the following aspects of the scheme should be kept in view:

a. Internal examination is to be conducted at the school level to assess the activity work and project work done by every student during the year.

b. Each student must perform at least two activities for assessment of any two skills like numerical ability, observation, ability to see patterns, analytical thinking, understanding logic, skills of comparing, interpreting, problem solving, decision making and skills of games.

c. The assessment may be carried out by a team of two Mathematics teachers including the teacher teaching the particular class

The break-up of 5 marks for assessment of **activity/skills** could be as:-

- Statement of the objective of activity - 01 mark
- Design of approach to activity - 01 mark
- Actual conduct of activity - 01 mark
- Procedure explanation - 01 mark
- Result and conclusion - 01 mark

The marks for assessment of two activities (5 + 5) may be added and the average should be calculated out of 5.

The breakup of 5 marks for assessment of **project** could be as:-

-	Identification and statement of the project	-	01 mark
-	Design of the project	-	01 mark
-	Procedure adopted	-	01 mark
-	Write-up of the project	-	01 mark
-	Interpretation of the result	-	01 mark

UNIT I : NUMBER SYSTEMS

1. Real Numbers

Euclid's division lemma, Fundamental Theorem of Arithmetic – Statements after reviewing work done earlier and after illustrating and motivating through examples. Proofs of results – irrationality. Decimal representation of rational numbers in terms of terminating/non – terminating recurring decimals.

UNIT II : ALGEBRA

1. Polynomials

Zeros of a polynomial. Relationship between zeros and coefficients of a polynomial. Statement and simple problems on division algorithm for polynomials with real coefficients.

2. Pair Of Linear Equations In Two Variables

Pair of linear equations in two variables and graphical method of their solution, consistency/inconsistency. Algebraic conditions for number of solutions. Solution of pair of linear equations in two variables algebraically – by substitution, by elimination and by cross – multiplication method. Simple situational problems must be included. Simple problems on equations reducible to linear equations.

3. Quadratic Equations

Standard from of a quadratic equation $ax^2 + bx + c = 0$, $(a \neq 0)$. Solution of a quadratic equation (only real roots) by factorization and completing the squares, by using quadratic formula. Relationship between the discriminant and nature of roots.

Situational problems based on quadratic equations related to day to day activities to be incorporated.

4. Arithmetic Progressions

Motivation for studying Arithmetic Progression. Derivation of standard results of finding the n^{th} term and sum of the first n terms of Arithmetic Progression and their application in solving daily life problems.

UNIT III : TRIGONOMETRY

1. Introduction to Trigonometry

Trigonometric ratios of an acute angle of a right – angled triangle. Proof of their existence (well defined); motivate the ratios, whichever are defined at 0° and 90°. Values (with proofs) of the trigonometric ratios of 30°, 45° and 60°. Relationships between the ratios.

2. Trigonometric Identities

Proof and applications of the identity $\sin^2 A + \cos^2 A = 1$. Only simple identities to be given. Trigonometric ratios of complementary angles.

3. Heights And Distances: Angle of elevation, Angle of depression

Simple and believable problems on heights and distances. Problems should not involve more than two right triangles. Angles of elevation/depression should be only 30°, 45°, 60°.

UNIT IV : COORDINATE GEOMETRY

1. Lines (In two-dimensions)

Review the concepts of coordinates geometry, graphs of linear equations. Distance formula. Section formula (internal division), Area of a triangle.

UNIT V : GEOMETRY

1. Triangles

Definitions, examples, counter examples of similar triangles.

i) (Prove) If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio.

ii) (Motivate) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third side.

iii) (Motivate) If in two triangles, the corresponding angles are equal, their corresponding sides are proportional and the triangles are similar.

iv) (Motivate) If the corresponding sides of two triangles are proportional, their corresponding angles are equal and the two triangles are similar.

v) (Motivate) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, the two triangles are similar.

vi) (Motivate) If a perpendicular is drawn from the vertex of the right angle of a right triangle to the hypotenuse; the triangles on each side of the perpendicular are similar to the whole triangle and to each other.

vii) (Prove) The ratio of the areas of two similar triangles is equal to the ratio of the squares on their corresponding sides.

viii) (Prove) In a right triangle, the square on the hypotenuse is equal to the sum of the squares of the other two sides.

ix) (Prove) In a triangle, if the square on one side is equal to the sum of the squares of the other two sides, the angle opposite to the first side is a right angle.

2. Circles

Tangents to a circle at a point of contact.

i) (Prove) The tangent at any point of a circle is a perpendicular to the radius through the point of contact.

ii) (Prove) The lengths of tangents drawn from an external point to a circle are equal.

3. Constructions

i) Division of a line segment in a given ratio (internally).

ii) Tangent to a circle from a point outside it.

iii) Construction of a triangle similar to a given triangle.

UNIT VI : MENSURATION

1. Areas Related to Circles

Motivate the area of a circle; area of sectors and segments of a circle. Problems based on area and perimeter/circumference of the above said plane figures. (In calculating area of segment of a circle, problem should be restricted to central angles of 60°, 90°, and 120° only. Plane figures involving triangles, simple quadrilaterals and circles should be taken).

2. Surface Areas And Volumes

i) Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones. Frustum of a cone.

ii) Problems involving converting one type of metallic solid into another and other mixed problems. (Problems with combination of not more than two different solids may be taken).

UNIT VII : STATISTICS AND PROBABILITY

1. Statistics

Mean, median and mode of grouped data (bimodal situation to be avoided) Cumulative frequency graph.

2. Probability

Classical definition of Probability. Simple problems on single events (not using set notation).

PRESCRIBED TEXTBOOK:

- **Modern's abc of Mathematics – X**
  M/S Modern Publishers Chancellor Commercial, H. B. Road,
  Panbazar, Guwahati – 781001.

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SCIENCE & TECHNOLOGY
CLASS – X

DISTRIBUTION OF MARKS

Physics	26 marks
Chemistry	26 marks
Biology	28 marks
Total	**80 marks**

PHYSICS

1. REFLECTION AND REFRACTION OF LIGHT

 Light as Invisible Energy Nature of Light Reflection of Light Position of the Image formed by a Plane Mirror Spherical Mirrors and Their Technology Sign Conventions for Reflection by Spherical Mirrors Refraction of Light Refraction by Spherical Lenses Power of a Lens New Cartesian Sign Convention for Lenses

2. THE HUMAN EYE AND THE COLOURFUL WORLD

 Human Eye Accommodation of the Eye Defects of Vision and Their Correction Advantages of having two eyes in Humans Refraction of Light Through an Equilateral Prism Dispersion of White Light by a Glass Prism Atmospheric Refraction Scattering of Light

3. ELECTRICITY

 Electric Charges and its Properties Conductors and Insulators Flow of Electric Charges Electric Current Electric Potential Electric Circuit Resistance of a Conductor or Electric Resistance Series and Parallel Circuits Ohm's Law Expression for Resistances in Series Expression for Resistances in Parallel Heating Effects of Electric Current

4. MAGNETIC EFFECTS OF ELECTRIC CURRENT

 Magnetic Field and Field Lines Solenoid Force on a Current Carrying Conductor in a Magnetic Field Electromagnetic Induction Domestic Electric Circuits

CHEMISTRY

1. CHEMICAL REACTIONS

 Introduction Chemical Equation Types of Chemical Reactions Effects of Oxidation Reactions in Everyday Life

2. ACIDS, BASES AND SALTS

 Introduction Understanding the Chemical Properties of Acids and Bases What Do All Acids and All Bases have in Common How strong are Acid or Base Solutions More about salts

3. METALS, NON-METALS AND METALLURGY

 Physical Properties of Metals and Non-metals Formation of Ionic Compounds Chemical Properties of Metals Specimen Problems Occurrence of Metals Corrosion of Metals

4. CLASSIFICATION OF ELEMENTS

 Necessity for Classification of Elements Early Attempts for Classification of Elements Mendeleev's Periodic Table Mendeleev's Periodic Law Modern version of Mendeleev's Periodic Table of Elements Defects (Limitations) in Modern Version of Mendeleev's Periodic Table of Elements Modern Periodic Law Long form of Periodic Table Position of Hydrogen in the Periodic Table Study of Normal Elements of the Periodic Table Characteristics of Periods in Long form of Periodic Table Characteristics of Groups in Long form of Periodic Table Merits of the Long form of Periodic Table Defects of the Long form of the Periodic Table Advantages of the Long form of the Periodic Table in Learning Chemistry Sample Problems

5. CARBON AND ITS COMPOUNDS

 Introduction The Covalent Bond–Bonding in Carbon and other Non-metals Versatile Nature of Element Carbon Chemical Properties of Carbon Compounds Important Carbon Compounds–Ethanol and Ethanoic Acid Soaps And Detergents

BIOLOGY

1. LIFE PROCESSES

 What are life processes? Nutrition Autotrophic Nutrition Heterotrophic Nutrition How do organisms obtain their Nutrition? Respiration Transportation Transportation in Human beings Transportation in Plants Excretion Excretion in Human beings

2. CONTROL AND COORDINATION

 Animals — Nervous system Structure of Neuron How does an impulse travel in the Body? Types of Nervous Actions What happens in Reflex Actions? Human Nervous System How are these tissues protected How does the Nervous Tissue cause Action? Coordination in Plants Immediate response to stimulus Movement due to Growth Plant Hormones Hormones in Animals Endocrine Glands in Humans

3. REPRODUCTION IN PLANTS AND ANIMALS

 Do organisms create exact copies of themselves? The importance of variations Modes of reproduction used by single organisms Fission Fragmentation Regeneration Budding Vegetative propagation Spore formation Sexual reproduction Why the Sexual mode of Reproduction? Sexual Reproduction in Flowering Plants Reproduction in Human Beings Male Reproductive System Female Reproductive System What happens when the egg is not fertilised? Reproductive health

4. HEREDITY AND EVOLUTION

 Accumulation of variation during reproduction Heredity Inherited traits Rules for the Inheritance of traits – Mendel's contribution How do these traits get expressed? Evolution Acquired and inherited traits Speciation Evolution and classification Evolution by stages Evolution should not be equated with 'progress' Human Evolution.

PRACTICAL

Total – 20 marks

Every student will perform at least fifteen experiments (at least five experiments from each unit) during the academic year.

PHYSICS

1. To verify the laws of reflection of light using plane mirror.
2. To determine the focal length of a concave mirror by obtaining image of a distant object.
3. To trace the path of a ray of light passing through a rectangular glass slab for different angle of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.
4. To determine the focal length of a convex lens by obtaining the image of a distant object.
5. To trace the path of a ray of light passing through a glass prism and measure the angle of deviation.
6. To study the dependence of potential difference (v) across a resistor, determine its resistance.
7. (a) To determine the equivalent resistance of two resistors when connected in series parallel.
   (b) To determine the equivalent resistance of two resistors when connected in parallel.

BIOLOGY

1. To study land food chain from the given chart.
2. Construction of food web using models.
3. To study the different parts of a Hibiscus flower.
4. To study germination of grams/pea seeds.
5. To test the presence of starch in a given food sample.
6. To study various things around and classify them into living and non-living.
7. To identify bio-degradable and non-biodegradable materials (wastes) in the environment.
8. Collection of newspaper reports on HIV/AIDS.

CHEMISTRY

1. To measure the change in temperature during chemical reaction (at least four) and conclude whether the reaction is exothermic or not.

2. To identify bleaching powder from the given samples of chemicals (four samples).
3. To identify baking soda from samples of chemicals (four samples).
4. (a) To study on precipitation reaction and isolation of the precipitate, Na_2SO_4 with $BaCl_2$
   (b) To study on precipitation reaction and isolation of precipitate, NaCl with $AgNO_3$.
5. To prepare Sulphur dioxide gas and study its two physical and two chemical properties.
6. Carry out the reactions for an acid (HCl) with:
   (i) Litmus solution (blue/red),
   (ii) Zinc metal,
   (iii) Solid Sodium carbonate
   (iv) Sodium hydroxide.
7. To prepare ammonia gas and study its two physical and two chemical properties.
8. To study properties of acetic acid (ethanoic acid).
   (i) odour
   (ii) solubility in water
   (iii) effect on litmus
   (iv) reaction with sodium bicarbonate
9. To identify whether a given solution is acidic or basic, performing following test is required:
   (i) Litmus test,
   (ii) Reaction with $NaHCO_3$ or Na_2CO_3
   (iii) Reaction with NH_4OH or $(NH_4)_2\ CO_3$
10. To study the decomposition of $CaCO_3$ and prove that CO_2 is evolved during the reaction (lime water test)
11. To perform the reaction of 1: 1 molar acetic acid and ethanol (elhyl alcohol) in the presence of sulphuric acid.
12. To examine the heating effect on sugar and common salt, observe the change and find the nature of bonding in the two compounds.
13. To determine the pH value of equimolar concentration of four acids and arrange them in order of their increasing acidity.

PRESCRIBED TEXTBOOKS:

1. Core Science – X
- M/S Goyal Brothers Prakashan, D-231-232, Sector-63, Noida – 201301 (UP).

2. Practical Science – X
- M/S Laxmi Publications Pvt. Ltd., Hemsen Complex, M. D. Shah Road, Paltan Bazar, Guwahati – 781008.

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SOCIAL SCIENCE
CLASS – X

THE SCHEME OF ASSESSMENT FOR THEORY EXAMINATION.

One Paper	Theory Examination = 80 marks	Pass marks = 24
	Internal Assessment = 20 marks (for regular candidates)	Pass marks = 6

DISTRIBUTION OF MARKS

Unit	Parts/Sections	Theory
Section I	History	23
Section II	Civics	17
Section III	Economics	17
Section IV	Geography (Including map works and Disaster Management)	23
	Total	**80**

WEIGHTAGE OF MARKS FOR INTERNAL ASSESSMENT

Each subject segment carries the following weightage of marks for Internal Assessment:	
i) History	5 marks
ii) Civics	5 marks
iii) Economics	5 marks
iv) Geography	5 marks
Total	**20 marks**

These marks can be internally assessed through any one of the following:

i. Project Work
ii. Written Tests
iii. Assignments (Class or Home Work)

Different types of Project Work:

- Class/Interclass discussions and debates
- Preparations of a report based on newspapers/magazines clippings
- Conducting a survey in the locality (activity to be accompanied by a brief report)
- Posters
- Mock drills to deal with fire mishaps, earthquakes, flood and landslides to be practiced for the topic, 'Disaster Management.'

SECTION I: HISTORY

Unit I: Events and Processes

1. The Rise of Nationalism in Europe
2. Non-Cooperation and Civil Disobedience Movements

Unit II: Livelihoods, Economies and Societies

3. Industrialisation (1850s-1950s)
4. Urbanisation and Urban Lives

Unit III: Culture, Identity and Society

5. Print Culture and Nationalism
6. Financial Education
   Part I: Electronic Commerce (e-commerce)
   Part II: E-Commerce and Financial Regulatory Bodies of Country
7. **Part I**: Information Technology in Insurance Sector
   Part II: Insurance Ombudsman

} only for classroom transaction and Internal Assessment.

SECTION II: GEOGRAPHY

1. Resources
2. Water Resources
3. Forest Resources
4. Minerals and Energy Resources
5. Agriculture
6. Manufacturing Industries
7. Lifelines of National Economy
8. Meghalaya: An Overview
9. Planning Ahead: by the People, for the People

SECTION III: CIVICS

1. **Unit I**: Role of Caste in Indian Politics and Communalism
2. **Unit II**: Nature of Indian Federal Structure
3. **Unit III**: Popular Struggles and Movements
4. Political Parties
5. Challenges to Democracy
6. Voters' Awareness and its Importance
7. Women's Rights in India
8. Supreme Court's Ruling on Child Abuse
9. The Rights of Persons with Disabilities Act, 2016
10. **Financial Education**
    Commodity Futures Market
11. **Part I**: Economic Depression
    Part II: Investing in Shares
    Part III: Initial Public Offering (IPO)

} only for classroom transaction and Internal Assessment.

SECTION IV: ECONOMICS

1. Sectors of the Indian Economy
2. The Story of Development
3. Money and Financial System
4. Globalisation and the Indian Economy
5. Consumer Rights
6. **Financial Education**
   Benefits of Insurance
7. **Part I**: Learning to Trade
   Part II: Stock Exchange and Economy

} only for classroom transaction and Internal Assessment

PRESCRIBED TEXTBOOKS:

Core Social Science – X

- M/S Goyal Brothers Prakashan, D-231-232, Sector-63, Noida – 201301 (UP)

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HEALTH & PHYSICAL EDUCATION
CLASS – X

Theory	**-**	**80 Marks**
Internal Assessment	**-**	**20 Marks**
Total	**=**	**100 Marks**

WEIGHTAGE OF MARKS FOR INTERNAL ASSESSMENT

The Internal Assessment will be done through tests, assignments and project work. The breakup of 20 marks for the Internal Assessment may be as follows:

Part - 1	-	Written tests	-	10 marks
Part - 2	-	Assignments	-	5 marks
Part - 3	-	Project Works	-	5 marks

The Internal Assessment of 20 marks is to be awarded on the basis of the performance of a student in the activity work, project work and assessment on the assignments given at the end of each lesson of the textbook.

The break-up of 5 marks for Assignments could be as:-

-	Statement of the skills/activity	-	01 mark
-	Elaboration of the skills/activity	-	01 mark
-	Procedure of explanation	-	01 mark
-	Actual conduct of activity	-	01 mark
-	Conclusion	-	01 mark

The marks for assessment of two activities (5+5) may be added and the average should be calculated out of 5

The break-up of 5 marks for assessment of project could be as:-

-	Identification and statement of the project	-	01 mark
-	Design of the project	-	01 mark
-	Procedure adopted	-	01 mark
-	Write-up of the project	-	01 mark
-	Interpretation of the result	-	01 mark

To implement them successfully, the following aspects of the scheme should be kept in view:-

(a) Internal Examination is to be conducted at the school level to assess the activity and project work done by each student.

(b) Each student is required to choose at least two activities during the year.

(c) Assessment may be carried out by a team of two teachers including the teacher teaching this particular subject.

NOTE: Schools may choose their own topics for Internal Assessment.

Units to be read

Unit I **Growth and Development**

1. How Mature Are You?
2. You and Your Family
3. Marriage and Family Life

Unit II **Diseases**

1. Some Defence Measures Against Diseases (Immunity and Immunization)
2. National Health Programme
3. Importance of Pupil's and People's Participation in the Implementation of These Programmes
4. Primary Health Care, Meaning and Scope, Health Care Set Up in Rural and Urban Areas

Unit III **Consumer Education**

1. Consumer Education - Consumer Rights, Making Correct Choices While Buying Different Items, Food Adulteration
2. Systems of Medicine and Quackery
3. Drugs, Medicines and Self-Medication

Unit IV **International Health**

1. Importance of International Health .....

Unit V **Life Skills Education**

1. Teenage Pregnancy
2. Sexually Transmitted Infections
3. Basic Facts About HIV/AIDS
4. Prevention Against HIV/AIDS

PRESCRIBED TEXTBOOK:

- **Health (A Textbook for Secondary School Class X)**
  M/S Frank Brothers & Co. Ltd., 136, Moti Lal Nehru Road, Opp. Pan Bazar Girls' Hr. Sec. School, Guwahati – 781001.

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COMPUTER SCIENCE
CLASS – X

DISTRIBUTION OF MARKS

Sl. No.	Chapter	Theory Mark	Practical Mark
1	Computer Fundamentals	20	5
2	Internet Basics	18	5
3	Object Oriented Programming I – C++	18	5
4	Object Oriented Programming II – Java	16	5
5	Societal Impacts of IT – II	8	–
	Total Mark	**80**	**20**

PIECES TO BE READ:

1. **Computer Fundamentals**
   - Types of Software
   - System Software
   - Operating System
   - Language Translators
   - Utilities
   - Application Software
   - Basic Commands in Operating Systems
   - What is Data?
   - How to Measure Computer Data?
   - Number System
   - Conversion
   - Logic Gates
   - Logic Circuits of Primary and Secondary Gates

2. **Internet Basics**
   - Internet
   - How Does the Internet Work?
   - Wired and Wireless connection
   - Protocols
   - World Wide Web (WWW)
   - Web Browser
   - Web Server
   - Website
   - Web Page

- Web Address
- IP Address
- Uniform Resource Locator (URL)
- Intranet
- HTML
- HTML Editor
- Creating and Viewing HTML Documents
- HTML Tag
- HTML Element
- Structure of an HTML Document
- HTML Heading Tag
- HTML Paragraph tag
- Line Break tag
- Horizontal Rule tag
- Text Formatting Tags
- Comment Tag
- List Tags
- Images In HTML Tables In HTML
- Linking In HTML
- Frames In HTML

3. **Object Oriented Programming I – C++**
   - What is OOPs?
   - Introduction to C++
   - Structure of a C++ program
   - Data types
   - Variables in C++
   - Escape Sequences
   - Input / Output in C++
   - Operators
   - Precedence of operators
   - Control Structure
   - Loop Structure
   - Bug and Debug

4. **Object Oriented Programming II – Java**
   - Characteristics of Java
   - Different Forms of Java
   - Java Program
   - Variables
   - Data Types

- Operators In Java
- Programming Structure in Java
- Some Examples of Java Programs

5. **Societal Impacts of IT – II**
   - Virus
   - Worm
   - Malware
   - Spyware
   - Scareware
   - Adware
   - Spam
   - Internet Hacking
   - Protect the Computer
   - Backup and Recovery Tools
   - Information Security Provisions in E-commerce
   - Ways for safety computing

PRESCRIBED TEXTBOOK:

- **Click Start –**
  Computer Science for Schools – 10
  M/S Cambridge University Press, 10 Raja Subodh Mallick Square Second Floor, Kolkata – 700013.

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ENVIRONMENTAL EDUCATION
CLASS – X

PIECES TO BE READ:

UNIT I: RESTORING BALANCE IN ECOSYSTEM

1. Need for Conservation and Management of Water
2. Conservation and Management of Forests, Grasslands and Semi-Arid Ecosystems
3. Conservation and Management of Soil
4. Conservation and Management of Wildlife
5. Relevance of Indigenous Practices

UNIT II: POLLUTION

1. Sources of Pollution and Major Pollutants
2. Effects of Pollution on Environment, Human Health and Other Organisms
3. Abatement of Pollution

UNIT III: ISSUES OF THE ENVIRONMENT

1. Decline in Productivity; Resettlement and Rehabilitation of People
2. Energy Crisis – Urban and Rural Sectors
3. Greenhouse Effect, Climatic Changes and Global Warming
4. Acid Rain and Ozone Layer Depletion

UNIT IV: STRIVING FOR A BETTER ENVIRONMENT

1. Use of Efficient and Eco-friendly Technology
2. Ecological Restoration and Conservation

PRESCRIBED TEXTBOOK:

- **A Textbook of Environmental Education – X**
  M/S. Goyal Brothers Prakashan, D-231-232, Sector-63, Noida – 201301 (UP).

Note: ***Evaluation on subject Creative Expression shall be school based grading.***

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CREATIVE EXPRESSION
CLASS – X

- The whole book is to be completed -

PRESCRIBED TEXTBOOK:

- **WOW! ART & CRAFT – X**
  M/S. Allied Publishers, 1/13-14, Asaf Ali Road, New Delhi – 110002.

Note: ***Evaluation on subject Creative Expression shall be school based grading.***

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WORK EDUCATION
CLASS – X

PIECES TO BE READ:

1. Photography
2. Commercial Art
3. Tie & Dye
4. Interior Decoration
5. Gardening
6. Woodwork
7. Puppet Making
8. Papercraft
9. Working with Leather
10. Chemical Technology
11. Designing and Stitching
12. Community Service: Adult Literacy Program
13. Food Preservation
14. Electrical Gadget
15. Computer: Making a Web Page

PRESCRIBED TEXTBOOK:

- **Work Education – X**
  M/S. Allied Publishers, 1/13-14, Asaf Ali Road, New Delhi – 110002.

Note: ***Evaluation on subject Work Education shall be school based grading.***