2023-24

ENGLISH (021) *REVISED*

TOTAL MARKS- 100 (Theory- 80 Marks + Internal Assessment 20 Marks)

Class – IX

Theory : 80 Marks **Time: 3.00 Hrs.**

Sections		Weightage
A	Reading Skills	20 Marks
B	Writing Skills and Grammar	20 Marks
C	Language through Literature	40 Marks

SECTION A : READING SKILLS **20 Marks**

I. Reading Comprehension through Unseen Passage

1. Discursive passage of 400-450 words. 10 marks
2. Case-based factual passage (with visual input- statistical data/chart etc.) of 200-250 words. 10 marks

(Total length of two passages to be 600-700 words)

Multiple Choice Questions / Objective Type Questions/Very Short Answer Questions will be asked to assess comprehension, interpretation, analysis, inference, evaluation and vocabulary.

SECTION B : WRITING SKILLS AND GRAMMAR **20 Marks**

II. WRITING SKILLS **10 Marks**

3. Writing a Descriptive Paragraph (word limit 100-120 words), describing a person/event/ situation, based on visual or verbal cue/s. One out of two questions to be answered. 05 Marks
4. Writing a Story (on a given cue/title)/Diary Entry, in 100-120 words. One out of two questions is to be answered. 05 Marks

III. GRAMMAR **10 Marks**

- Determiners
- Tenses
- Modals
- Subject – verb concord
- Reported speech
    a) Commands and requests
    b) Statements
    c) Questions

5. The courses at the secondary level seek to cement high professional grasp of grammatical items and levels of accuracy. Accurate use of spelling, punctuation and grammar will be assessed through Gap Filling/ Editing/Transformation exercises. Ten out of twelve questions will be attempted.

SECTION C : LANGUAGE THROUGH LITERATURE (TEXT BOOKS) **40 Marks**

IV. Reference to the Context **(05+05 = 10 Marks)**

6. One extract out of two, from Drama / Prose.
7. One extract out of two, from poetry.

Multiple Choice Questions/Objective Type Questions will be asked to assess interpretation, analysis, inference, evaluation, appreciation and vocabulary.

V. Short & Long Answer Questions

8. Four out of Five Short Answer Type Questions to be answered in 40-50 words from the book BEEHIVE to assess interpretation, analysis, inference and evaluation. **4x3= 12 Marks**
9. Two out of Three Short Answer Type Questions to be answered in 40-50 words from the book MOMENTS to assess interpretation, analysis, inference and evaluation. **2x3= 06 Marks**
10. One out of two Long Answer Type Questions from BEEHIVE to be answered in about 100-120

words to assess creativity, imagination and extrapolation beyond the text and across the text. This can also be a passage-based question taken from a situation/plot from the text. **06 marks**

11. One out of two Long Answer Type Questions from MOMENTS, on theme or plot involving interpretation, extrapolation beyond the text and inference or character sketch to be answered in about 100-120 words. **06 marks**

INTERNAL ASSESSMENT- 20 MARKS

S. No.	Assessment Points	Marks
1	Listening Skill	4
2	Speaking Skill	4
3	Project Work a) Script, Presentation, Originality b) Viva based on Project	 4 3
4	Continuous Assessment (Unit Test)	5
	TOTAL	**20**

Prescribed Books: Published by NCERT, New Delhi

Beehive

Prose-	Poems-
1- The Fun They Had	1. The Road Not taken
2- The Sound of Music	2. Wind
3- The Little Girl	3. Rain on The Roof
4- A Truly Beautiful Mind	4. The Lake Isle of Innisfree
5- The Snake and the Mirror	5. A Legend of The Northland
6- My Childhood	6. No Men Are Foreign
7- Reach For The Top	7. On killing a tree
8- Kathmandu	8. A Slumber Did My Spirit Seal
9- If I were You	

Moments

1. The Lost Child	5. The Happy Prince
2. The adventures of Toto	6. The Last Leaf
3. Iswaran the Storyteller	7. A House is not a Home
4. In the kingdom of fools	8. The Beggar

Sections	Competencies	Total marks
Reading Skills & Comprehension	Conceptual understanding, decoding, analyzing, inferring, interpreting and vocabulary	20
Writing Skills and Grammar	Creative expression of an opinion, reasoning, justifying, illustrating, appropriacy of style and tone, using appropriate format and fluency. Applying conventions, using integrated structures with accuracy and fluency	20
Language through Literature	Recalling, reasoning, appreciating, applying literary conventions illustrating and justifying etc. Extract relevant information, identifying the central theme and sub-theme, understanding the writers' message and writing fluently.	40
	Total	**80**

INTERNAL ASSESSMENT-

1- LISTENING AND SPEAKING SKILLS

Guidelines for Assessment of Listening and Speaking Skills (ALS)

ALS is a component of the Subject Enrichment Activity under Internal Assessment. ALS must be seen as an integrated component of all four language skills rather than a compartment of two. Suggested activities, therefore, take into consideration an integration of the four language skills but during assessment, emphasis will be given to speaking and listening, since reading and writing are already being assessed in the written exam.

Assessment of Listening and Speaking Skills:

i. **Activities:**

- Subject teachers must refer to books prescribed in the syllabus.
- In addition to the above, teachers may plan their own activities and create their own material for assessing the listening and speaking skills.

ii. **Parameters for Assessment:** The listening and speaking skills are to be assessed on the following parameters:

- Interactive competence (Initiation & turn taking, relevance to the topic)
- Fluency (cohesion, coherence and speed of delivery)
- Pronunciation
- Language (grammar and vocabulary)

iii. **Schedule:** The practice of listening and speaking skills should be done throughout the academic year.

2- PROJECT WORK- Student should complete a project work, related to subject, in the session. The student has to select the topic under the guidance of subject teacher.

3- CONTINUOUS ASSESSMENT (UNIT TEST)-

CLASS 9th

There will be total 4 Unit Tests to be conducted throughout the year (two Unit Tests before half yearly examination and two after half yearly examination). At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. Likewise best of two Unit Tests (III & IV) marks will be taken and converted to the weightage of 05 marks for the annual result preparation.

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2023-24

हिन्दी (001)– *संशोधित*

कक्षा– 9

पूर्णांक– 100 (सैद्धान्तिक– 80 अंक + आन्तरिक मूल्यांकन– 20 अंक)

सैद्धान्तिक भाग: समय– 3 घंटा पूर्णांक– 80 (56+24)

हिन्दी	**56**
खण्ड क– अपठित गद्यांश	08
खण्ड ख– रचना	12
खण्ड ग– व्यावहारिक–व्याकरण	10
खण्ड घ– पाठ्य–पुस्तकें	
• क्षितिज भाग–1	20
• कृतिका भाग–1	06
संस्कृत	**24**
खण्ड ङ– संस्कृत पाठ्यपुस्तक	18
खण्ड च– संस्कृत व्याकरण	04
खण्ड छ– वाक्य रचना	02

खण्ड क– अपठित गद्यांश

1. एक साहित्यिक गद्यांश (300 से 350 शब्द) गद्यांश में शीर्षक का चुनाव, विषय वस्तु का बोध, भाषिक बिंदु/संरचना आदि पर आधारित आठ बहुविकल्पीय प्रश्न पूछे जायेंगे।	8X1	08 08

खण्ड ख– रचना **12**

2. किसी आधुनिक विषय पर संकेत बिन्दुओं पर आधारित निबंध लेखन (लगभग 200 शब्दों में)		08
3. पत्र लेखन (औपचारिक/अनौपचारिक पत्र)		04

खण्ड ग– व्यावहारिक व्याकरण **10**

4. शब्द निर्माण (उपसर्ग–01 अंक, प्रत्यय–01 अंक व समास–02 अंक)		04
5. वाक्य–रचना–वाक्य के अंग, अर्थ के अनुसार वाक्य–भेद		03
6. अलंकार (शब्दालंकार– अनुप्रास, यमक)(अर्थालंकार– उपमा, रूपक)		03

खण्ड घ– पाठ्य पुस्तकें

• **क्षितिज भाग–1**		**20**
7. (अ) काव्यांश पर आधारित अर्थ–ग्रहण संबंधी एक प्रश्न	03	03
(ब) काव्यांश पर आधारित अर्थ–ग्रहण संबंधी तीन बहुविकल्पीय प्रश्न	3X1	03
8. निर्धारित कविताओं में से तीन बोधात्मक प्रश्नों में से दो प्रश्न	2+2	04
9. (अ) गद्यांश पर आधारित अर्थ ग्रहण संबंधी एक प्रश्न	03	03
(आ) गद्यांश पर आधारित अर्थ ग्रहण संबंधी तीन बहुविकल्पीय प्रश्न	3X1	03
10. गद्य पाठों पर आधारित तीन में से दो बोधात्मक प्रश्न	2+2	04
• **कृतिका भाग–1**		**06**
11. पाठों पर आधारित चार में से तीन लघूत्तरात्मक प्रश्न	2+2+2	06
खण्ड ङ– पाठ्यपुस्तक संस्कृत विनोदिनी (भाग–1)		**18**
12. (अ) गद्य अनुच्छेद पर आधारित तीन में से दो प्रश्नों के उत्तर	2+2	04
(आ) गद्य अनुच्छेद पर आधारित दो बहुविकल्पीय प्रश्न	1+1	02
13. पद्य अनुच्छेद पर आधारित दो में से एक प्रश्न का उत्तर	02	02
(आ) पद्य अनुच्छेद पर आधारित दो बहुविकल्पीय प्रश्न	1+1	02
14. पाठ्य–पुस्तक पर आधारित चार में से तीन प्रश्नों के उत्तर	2+2+2	06

15. दिए गये शब्दों की सहायता से वाक्य पूरा करना 4X½ 02
(छः प्रश्नों में से चार वाक्य बनाना)

खण्ड च– संस्कृत व्याकरण **04**

16. (संधि, स्वर संधि (दीर्घ, वृद्धि एवं गुण संधि) समास, कारक, उपसर्ग)
तीन प्रश्नों में से दो प्रश्नों के उत्तर 2+2 04

खण्ड छ–

17. वाक्य रचना **02**

दिए गये शब्दों में से किन्हीं चार का प्रयोग कर चार संस्कृत वाक्यों की रचना करना 4X½ 02

अथवा

दिए गये तीन वाक्यों में से दो का संस्कृत में अनुवाद करना 1+1 02

अथवा

स्मृति आधारित श्लोक लिखना 02 02

आन्तरिक मूल्यांकन– 20 अंक

क्र0सं0	मूल्यांकन बिन्दु	निर्धारित अंक
1	श्रवण कौशल (LISTENING SKILL)	4
2	वाचन कौशल (SPEAKING SKILL)	4
3	परियोजना कार्य– अ) विषयवस्तु, भाषा एवं प्रस्तुति, मौलिकता ब) परियोजना कार्य पर आधारित मौखिकी	 4 3
4	सतत मूल्यांकन (इकाई परीक्षा)	5
	कुल योग	**20**

कक्षा 9 में हिन्दी विषय में आन्तरिक मूल्यांकन निम्नवत् किया जायेगा–

आन्तरिक मूल्यांकन हेतु मूल्यांकन बिन्दु–

1. **श्रवण कौशल (LISTENING SKILL)- सुनना (LISTENING)**

वर्णित या पठित सामग्री को सुनकर अर्थग्रहण करना, वार्तालाप, वाद विवाद, भाषण, कविता पाठ आदि को सुनकर समझना, मूल्यांकन करना और अभिव्यक्ति के ढंग को जानना।

श्रवण (सुनना) का मूल्यांकन (ASSESSMENT OF LISTENING)

परीक्षक किसी प्रासंगिक विषय पर एक अनुच्छेद का स्पष्ट वाचन करेगा। अनुच्छेद तथ्यात्मक या सुझावात्मक हो सकता है। अनुच्छेद लगभग 200 शब्दों का होगा। परीक्षक को सुनते–सुनते परीक्षार्थी अलग कागज पर दिये हुए श्रवण बोध के अभ्यासों को हल कर सकेंगे। अभ्यास रिक्त स्थान पूर्ति, बहुविकल्पीय प्रश्न अथवा सत्य/असत्य का चुनाव आदि विधाओं में हो सकते हैं।

2. **वाचन कौशल (SPEAKING SKILL)- बोलना (SPEAKING)**

- भाषण, वाद–विवाद
- गति, लय, आरोह–अवरोह सहित सस्वर कविता–वाचन
- वार्तालाप और उसकी औपचारिकताएँ
- कार्यक्रम–प्रस्तुति
- कथा–कहानी अथवा घटना सुनना
- परिचय देना, परिचय प्राप्त करना
- भावानुकूल संवाद–वाचन

वार्तालाप की दक्षताएँ

टिप्पणी– वार्तालाप की दक्षताओं का मूल्यांकन निरंतरता के आधार पर परीक्षा के समय होगा।

वाचन (बोलना) का मूल्यांकन (ASSESSMENT OF SPEAKING)

- चित्रों के क्रम पर आधारित वर्णनः इस भाग में अपेक्षा की जाएगी कि परीक्षार्थी विवरणात्मक भाषा का प्रयोग करें।
- किसी चित्र का वर्णनः (चित्र लोगों के या स्थानों के हो सकते हैं।)

- किसी निर्धारित विषय पर बोलना जिससे वह अपने व्यक्तिगत अनुभव का प्रत्यास्मरण कर सकें।
- कोई कहानी सुनना या किसी घटना का वर्णन करना।

टिप्पणी–

1. परीक्षण से पूर्व परीक्षार्थी को तैयारी के लिए कुछ समय दिया जाय।
2. विवरणात्मक भाषा में वर्तमान काल का प्रयोग अपेक्षित है।
3. निर्धारित विषय परीक्षार्थी के अनुभव संसार के हों जैसे– कोई चुटकुला या हास्य–प्रसंग सुनाना, हाल में पढ़ी पुस्तक या देखे गये सिनेमा की कहानी सुनाना।
4. जब परीक्षार्थी प्रश्न पत्र प्रारम्भ कर दें तो परीक्षक कम से कम हस्तक्षेप करें।

3. परियोजना कार्य **(PROJECT WORK)**

विद्यार्थी को शैक्षिक सत्र में विषय से सम्बन्धित एक प्रोजेक्ट कार्य करना होगा। विद्यार्थी प्रोजेक्ट कार्य हेतु विषय से सम्बन्धित किसी भी टॉपिक का विषयाध्यापक से परामर्श कर चयन कर सकता है।

4. सतत मूल्यांकन–इकाई परीक्षा **(CONTINUOUS ASSESSMENT- UNIT TEST)**

कक्षा 9–

सत्र में कुल 04 इकाई परीक्षायें होंगी (02 इकाई परीक्षायें अर्द्धवार्षिक परीक्षा से पूर्व तथा 02 अर्द्धवार्षिक परीक्षा के उपरान्त)। अर्द्धवार्षिक परीक्षा के परीक्षाफल निर्माण हेतु प्रथम दो इकाई परीक्षाओं (प्रथम व द्वितीय) में से अधिक प्राप्तांक वाली इकाई परीक्षा के अंक लिये जायेंगे तथा इन अंकों को 05 के भारांक में परिवर्तित किया जायेगा। इसी प्रकार वार्षिक परीक्षा के परीक्षाफल निर्माण हेतु अन्तिम दो इकाई परीक्षाओं (तृतीय व चतुर्थ) में से अधिक प्राप्तांक वाली इकाई परीक्षा के अंक लेकर इन अंकों को 05 के भारांक में परिवर्तित किया जायेगा।

निर्धारित पाठ्यपुस्तकें–

1. **क्षितिज, भाग–1,** (कक्षा 9) एन0सी0ई0आर0टी0, नई दिल्ली द्वारा प्रकाशित नवीनतम संस्करण।
2. **कृतिका, भाग–1,** (कक्षा 9) एन0सी0ई0आर0टी0, नई दिल्ली द्वारा प्रकाशित नवीनतम संस्करण।
3. **संस्कृत विनोदिनी** (कक्षा 9)।

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2023-2024

HOME SCIENCE (032 & 045)

TOTAL MARKS- 100 (Theory- 70 + Practical- 30)

Class- IX

Theory : 70 Marks **Time: 3.00 Hrs.**

Unit I: Concept and Scope of Home Science. **06**

Unit II: Family-a unit of society : Type & size of family; reasons for change in family types, effect of size on welfare of its members, role of family members in its smooth functioning. **10**

Unit III : Food and its relation to health: Definition of food, health, nutrition, nutrients and balanced diet, functions of food **10**

(i) energy giving
(ii) growth and repair
(iii) protection against diseases
(iv) regulation of body functions
(v) psychological satisfaction
(vi) sociological function
(vii) Inter relationship between food and health.

Unit IV: Methods of cooking : boiling, steaming, pressure cooking, frying, roasting & baking. Brief description of each & suitability for foods. **10**

Unit V: Functions of a home : protective and social characteristics of functional house-security, light, ventilation, sanitation (brief description of disposal of waste water, garbage and human excreta) & surroundings. **10**

Unit VI: Safety in the house :prevention of accidents in the kitchen and bathroom-cuts, falls, burns, electric shock, poisoning, safe use of fuels; first-aid given to cuts, bruises, burns, scalds, poisoning, shocks & bites. **08**

UnitVII: Fabrics available in the market : Definition of fibre and yarn; classfication of fibre on the basis of origin and length; yarn making, blends, construction of fabric-weaving (Different types of weaves-plain, twill and stain), felting and knitting; characterstics of fibres-length, durability, absorbancy, heat conductivity resilence and elasticity; effect of heat, moth and mildew, acids and alkalis. **10**

Unit VIII: Selection of clothes : factors affecting selection **06**

(i) fabric related factors (characteristics of fibre, fabric construction)
(ii) person related factors-age, occupation occasion, fashion, figure, comfort
(iii) Other factors-climate & cost

PRACTICAL: 30 Marks

क्र0सं0	प्रयोगात्मक भाग हेतु मूल्यांकन बिन्दु	कुल अंक
1	परिवार के प्रकार, प्राथमिक चिकित्सा, परिवार के सभी सदस्यों के क्रियाकलाप पर एक प्रोजेक्ट का निर्माण कार्य।	10
2	पाक क्रिया की विधियों का उपयोग करते हुये कोई एक व्यंजन तैयार करना।	10
3	सत्रीय कार्य	05
4	सतत मूल्यांकन (इकाई परीक्षा)*	05
	कुल योग	**30**

2023-24

MATHEMATICS (031)

Class – IX

TOTAL MARKS- 100 {80 (Theory) + 20 (Internal Assessment)}

THEORY: 80 Marks **Time: 3:00 Hrs.**

Units	Unit Name	Marks
I	NUMBER SYSTEMS	10
II	ALGEBRA	20
III	COORDINATE GEOMETRY	04
IV	GEOMETRY	27
V	MENSURATION	13
VI	STATISTICS	06
	Total	**80**

UNIT I: NUMBER SYSTEMS

REAL NUMBERS

1- Review of representation of natural numbers, integers, and rational numbers on the number line. Rational numbers as recurring/ terminating decimals. Operations on real numbers.

2- Examples of non-recurring/non-terminating decimals. Existence of non-rational numbers (irrational numbers) such as $\sqrt{2}$, $\sqrt{3}$ and their representation on the number line. Explaining that every real number is represented by a unique point on the number line and conversely, viz. every point on the number line represents a unique real number.

3- Definition of nth root of a real number.

4- Rationalization (with precise meaning) of real numbers of the type $\frac{1}{a+b\sqrt{x}}$ and $\frac{1}{\sqrt{x}+\sqrt{y}}$ (and their combinations) where x and y are natural number and a and b are integers.

5- Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws.)

UNIT II: ALGEBRA

1- POLYNOMIALS

Definition of a polynomial in one variable, with examples and counter examples. Coefficients of a polynomial, terms of a polynomial and zero polynomial. Degree of a polynomial. Constant, linear, quadratic and cubic polynomials. Monomials, binomials, trinomials. Factors and multiples. Zeros of a polynomial. Motivate and State the Remainder Theorem with examples. Statement and proof of the Factor Theorem. Factorization of $ax^2 + bx + c$, $a \neq 0$ where a, b and c are real numbers, and of cubic polynomials using the Factor Theorem.

Recall of algebraic expressions and identities. Verification of identities:

$(x + y + z)^2 = x^2 + y^2 + z^2 + 2xy + 2yz + 2zx$

$(x \pm y)^3 = x^3 \pm y^3 \pm 3xy(x \pm y)$

$x^3 \pm y^3 = (x \pm y)(x^2 \mp xy + y^2$

$x^3 + y^3 + z^3 - 3xyz = (x + y + z)(x^2 + y^2 + z^2 - xy - yz - zx)$

and their use in factorization of polynomials.

2- LINEAR EQUATIONS IN TWO VARIABLES

Recall of linear equations in one variable. Introduction to the equation in two variables. Focus on linear equations of the type $ax + by + c=0$. Explain that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pairs of real numbers, plotting

UNIT III: COORDINATE GEOMETRY

COORDINATE GEOMETRY

The Cartesian plane, coordinates of a point, names and terms associated with the coordinate plane, notations.

UNIT IV: GEOMETRY

1- INTRODUCTION TO EUCLID'S GEOMETRY

History- Geometry in India and Euclid's geometry. Euclid's method of formalizing observed phenomenon into rigorous Mathematics with definitions, common/obvious notions, axioms/postulates and theorems. The five postulates of Euclid. Showing the relationship between axiom and theorem, for example:

(Axiom) 1. Given two distinct points, there exists one and only one line through them.

(Theorem) 2. (Prove) Two distinct lines cannot have more than one point in common.

2- LINES AND ANGLES

a. (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is 180^{O} and the converse.
b. (Prove) If two lines intersect, vertically opposite angles are equal.
c. (Motivate) Lines which are parallel to a given line are parallel.

3- TRIANGLES

a. (Motivate) Two triangles are congruent if any two sides and the included angle of one triangle is equal to any two sides and the included angle of the other triangle (SAS Congruence).
b. (Prove) Two triangles are congruent if any two angles and the included side of one triangle is equal to any two angles and the included side of the other triangle (ASA Congruence).
c. (Motivate) Two triangles are congruent if the three sides of one triangle are equal to three sides of the other triangle (SSS Congruence).
d. (Motivate) Two right triangles are congruent if the hypotenuse and a side of one triangle are equal (respectively) to the hypotenuse and a side of the other triangle. (RHS Congruence)
e. (Prove) The angles opposite to equal sides of a triangle are equal.
f. (Motivate) The sides opposite to equal angles of a triangle are equal.

4- QUADRILATERALS

a. (Prove) The diagonal divides a parallelogram into two congruent triangles.
b. (Motivate) In a parallelogram opposite sides are equal, and conversely.
c. (Motivate) In a parallelogram opposite angles are equal, and conversely.
d. (Motivate) A quadrilateral is a parallelogram if a pair of its opposite sides is parallel and equal.
e. (Motivate) In a parallelogram, the diagonals bisect each other and conversely.
f. (Motivate) In a triangle, the line segment joining the mid points of any two sides is parallel to the third side and in half of it and (motivate) its converse.

5- CIRCLES

a. (Prove) Equal chords of a circle subtend equal angles at the center and (motivate) its converse.
b. (Motivate) The perpendicular from the center of a circle to a chord bisects the chord and conversely, the line drawn through the center of a circle to bisect a chord is perpendicular to the chord.
c. (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the center (or their respective centers) and conversely.
d. (Prove) The angle subtended by an arc at the center is double the angle subtended by it at any point on the remaining part of the circle.
e. (Motivate) Angles in the same segment of a circle are equal.
f. (Motivate) If a line segment joining two points subtends equal angle at two other points lying on the same side of the line containing the segment, the four points lie on a circle.
g. (Motivate) The sum of either of the pair of the opposite angles of a cyclic quadrilateral is 180° and its converse.

UNIT V: MENSURATION

1. AREAS

Area of a triangle using Heron's formula (without proof)

2. SURFACE AREAS AND VOLUMES

Surface areas and volumes of spheres (including hemispheres) and right circular cones.

UNIT VI: STATISTICS

STATISTICS

Bar graphs, histograms (with varying base lengths), and frequency polygons.

INTERNAL ASSESSMENT — Max. Marks: 20

(i) Activities (02)- 2X5 — **10 Marks**

(ii) Project Work (01) — **05 Marks**

(iii) Continuous Assessment (Unit Test) — **05 Marks**

(There will be total 4 Unit Tests to be conducted throughout the year (two Unit Tests before half yearly examination and two after half yearly examination). At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. Likewise best of two Unit Tests (III & IV) marks will be taken and converted to the weightage of 05 marks for the annual result preparation.)

2023-24

संस्कृतम् (028) संशोधितः

नवमी कक्षा

सैद्धान्तिकपूर्णांकाः 80 अवधि घण्टात्रयम्

क खण्डः	अपठित–अवबोधनम्	10 अंकाः
ख खण्डः	रचनात्मकं कार्यम्	15 अंकाः
ग खण्डः	अनुप्रयुक्त–व्याकरणम्	25 अंकाः
घ खण्डः	पठित–अवबोधनम्	30 अंकाः

'क' खण्डः अपठित–अवबोधनम् **10 अंकाः**

(सरलगद्यांशम् आधारितं कार्यम्)

1. **80–100 शब्दपरिमितः गद्यांशः,** सरलकथा घटनावर्णनं वा 10 अंकाः
   - एकपदेन पूर्णवाक्येन च अवबोधनात्मकं कार्यम्
     अति–लघूत्तरात्मकौ (1 X 2=2), पूर्णवाक्यात्मकौ (2 X 2=4) (6)
   - समुचित शीर्षकप्रदानम् (1)
   - अनुच्छेद–आधारितं भाषिककार्यम् (बहुविकल्पात्मकाः) (1 X 3=3) (3)

   भाषिककार्यम् इत्यनेन अभिप्रेतम् अस्ति
   i. वाक्ये कर्तृक्रियापदचयनमृ
   ii. कर्तृक्रिया – अन्विताः
   iii. विशेषणविशेष्यः– अन्विताः
   iv. संज्ञास्थाने सर्वनामप्रयोगः अथवा सर्वनामस्थाने संज्ञाप्रयोगः
   v. पर्यायं विलोमं वा पदं दत्त्वा अनुच्छेदे दत्तं पदचयनम्

'ख' खण्डः रचनात्मकं कार्यम् **15 अंकाः**

(अभ्यासपुस्तक–आधारितम्)

2. संकेताधारितम् अभिनन्दनपत्रम्/वर्धापनपत्रम्/निमन्त्रणपत्रम्/प्राचार्य प्रति प्रार्थनापत्रम (1X5) (5)
3. संकेताधारितम् लघुकथा, चित्रवर्णनम् अनुच्छेदलेखनम् वा (1X5) (5)
4. हिन्दीभाषायाम् लिखितानां पंचवाक्यानां संस्कृतभाषयाम् अनुवादः (5X1) (5)

'ग' खण्डः अनुप्रयुक्त व्याकरणम् **25 अंकाः**

(अभ्यासपुस्तकम् आधारितम्)

5. **संस्कृतवर्णमाला** 03 अंकाः
   (अ) वर्ण– उच्चारणस्थानानि (1)
   (ब) वर्तनी–वर्णसंयोजनम्, वर्णवियोजनम् (1+1) (2)
6. **सन्धिकार्यम्** 03 अंकाः
   (अ) **स्वरसन्धिः** –दीर्घः, गुणः, वृद्धिः, यण् (1X1) (1)
   (ब) **व्यंजनसन्धिः** – जश्त्वसन्धिः, 'म्' स्थाने अनुस्वारः (1X1) (1)
   (स) **विसर्गसन्धिः** – उवतम्, रत्वम् (1X1) (1)
7. **शब्दरूपाणि** (बहुविकल्पात्मकाः) (3X1) 03 अंकाः
   अकारान्तपुल्लिंङ्गशब्दाः – बालकवत्
   इकारान्तपुल्लिंङ्गशब्दाः – कविवत्
   उकारान्तपुल्लिंङ्गशब्दाः – साधुवत्
   ऋकारान्तपुल्लिंङ्गशब्दाः – पितृवत्
   आकारान्तस्त्रील्लिंङ्गशब्दाः – लतावत्
   ईकारान्तस्त्रील्लिंङ्गशब्दाः – नदीवत्
   ऋकारान्तस्त्रील्लिंङ्गशब्दाः – मातृवत्
   हलन्ताः – राजन्, भवत्, विद्वस्, गुणिन्
   सर्वनामशब्दाः – अस्मद्, युष्मद्, तत्, इदम्, किम् (त्रिषु लिंगेषु)
8. **धातुरूपाणि** (बहुविकल्पात्मकाः) 03 अंकाः
   पठ्, गम्, वद्, भू, क्रीड्, नी, दृश, शक्, ज्ञा, अस्, कृ, दा, क्री, श्रु, पा(पिब्), सेव्, लभ् (पंचषु लकारेषु)

9. **कारक–उपपद–विभक्तयः** (बहुविकल्पात्मकाः) (4X1) 04 अंकाः

द्वितीया– अभितः, परितः, उभयतः, समया, निकषा, प्रति, धिक्, विना।
तृतीया– विना, अलम्, सह, हीनः, किम्, प्रयोजनम्,।
चतुर्थी–नमः स्वाहा, अलम् सामर्थ्ये,
पंचमी– बहिः, विना, भी, आरभ्य, प्र–मद्, परः पूर्वम्, अनन्तरम्
षष्ठी– निधार्रणे, पुरतः, पृष्ठतः, वामतः, दक्षिणतः, अनादरे तरप्–तमप्, अधः।
सप्तमी– कुशलः, निपुणः, प्रवीणः, स्निह्, विश्वस् अनु–रज्, भावे।

10. **प्रत्ययाः** (बहुविकल्पात्मकाः)– तुमुन्, क्त्वा, ल्यप्, क्त, क्तवतु, शतृ, शानच् (3X1) 03 अंकाः
11. **संख्याः** – 1–100 (1–4 केवलं प्रथमा–विभक्तौ) (4 X1 / 2) 02 अंकाः
12. **उपसर्गाः** (द्वाविंशतिः) (4 X1 / 2) 02 अंकाः
13. **अव्ययानि** (बहुविकल्पात्मकाः) (2X1) 02 अंकाः

स्थानबोधकानि – अत्र, तत्र, अन्यत्र, सर्वत्र, यत्र, एकत्र, उभयत्र
कालबोधकानि – यदा, तदा, सर्वदा, एकदा, पुरा, अधुना, अद्य, श्वः,ह्यः
प्रश्नबोधकानि – किम्, कुत्र, कति कदा, कुतः, कथम्, किमर्थम्
अन्यानि – च, अपि, यदि, तर्हि, यथा, तथा, सम्यक्, एव

'घ' खण्डः पठित अवबोधनम् 30 अंकाः

14. गद्यांशम् अधिकृत्य अवबोधनात्मकं कार्यम 05 अंकाः

प्रश्नप्रकाराः– एकपदेन पूर्णवाक्येन च प्रश्नोत्तराणि
भाषिककार्यम्–
वाक्ये कर्तृ– क्रिया पदचयनम्
विशेषण– विशेष्य चयनम्
पर्याय–विलोमपद– चयनम्

15. पद्यांशम् अधिकृत्य अवबोधनात्मकं कार्यम 05 अंकाः

प्रश्नप्रकाराः– एकपदेन पूर्णवाक्येन च प्रश्नोत्तराणि
भाषिककार्यम्–
वाक्ये कर्तृ– क्रिया पदचयनम्
विशेषण– विशेष्य चयनम्
पर्याय–विलोमपद– चयनम्

16. नाट्यांशम् अधिकृत्य अवबोधनात्मकं कार्यम 05 अंकाः

प्रश्नप्रकाराः– एकपदेन पूर्णवाक्येन च प्रश्नोत्तराणि
भाषिककार्यम्–
वाक्ये कर्तृ– क्रिया पदचयनम्
विशेषण– विशेष्य चयनम्
पर्याय–विलोमपद– चयनम्

17. वाक्येषु रेखांकितपदानि अधिकृत्य उचित प्रश्ननिर्माणम् 04 अंकाः
18. श्लोकान्वयः / एकस्य श्लोकस्य संस्कृतेन भावार्थलेखनम् 03 अंकाः
19. घटनाक्रमानुसारं कथालेखनम् 04 अंकाः
20. (क) प्रसंगानुसारम् अर्थलेखनम् 02 अंकाः
(ख) शब्दानाम् अर्थैः सह मेलनम् 02 अंकाः
(पाठान् आधृत्य लघूत्तरात्मकाः प्रश्नाः)

आन्तरिक मूल्यांकनम्– 20 अंकाः

क्र0सं0	मूल्यांकनबिन्दवः	निर्धारितांकाः
1	श्रवण कौशलम् (LISTENING SKILL)	4
2	वाचन कौशलम् (SPEAKING SKILL)	4
3	परियोजना कार्याणि– अ) विषयवस्तवः, भाषा च प्रस्तुतिः च मौलिक कार्याणि ब) परियोजना कार्याधारिता: मौखिकपरीक्षा	 4 3
4	सतत मूल्यांकनम् (इकाई परीक्षा)	5
	सम्पूर्ण योगाः	**20**

कक्षा 9 में संस्कृत विषय में आन्तरिक मूल्यांकन निम्नवत् किया जायेगा–

आन्तरिक मूल्यांकन हेतु मूल्यांकन बिन्दु–

1. श्रवण कौशल (LISTENING SKILL)- सुनना (LISTENING)

वर्गित या पठित सामग्री को सुनकर अर्थग्रहण करना, वार्तालाप, वाद विवाद, भाषण, कविता पाठ आदि को सुनकर समझना, मूल्यांकन करना और अभिव्यक्ति के ढंग को जानना।

श्रवण (सुनना) का मूल्यांकन (ASSESSMENT OF LISTENING)

परीक्षक किसी प्रासंगिक विषय पर एक अनुच्छेद का स्पष्ट वाचन करेगा। अनुच्छेद तथ्यात्मक या सुझावात्मक हो सकता है। अनुच्छेद लगभग 200 शब्दों का होगा। परीक्षक को सुनते–सुनते परीक्षार्थी अलग कागज पर दिये हुए श्रवण बोध के अभ्यासों को हल कर सकेंगे। अभ्यास रिक्त स्थान पूर्ति, बहुविकल्पीय प्रश्न अथवा सत्य/असत्य का चुनाव आदि विधाओं में हो सकते हैं।

2. वाचन कौशल (SPEAKING SKILL)- बोलना (SPEAKING)

- भाषण, वाद–विवाद
- गति, लय, आरोह–अवरोह सहित सस्वर कविता–वाचन
- वार्तालाप और उसकी औपचारिकताएँ
- कार्यक्रम–प्रस्तुति
- कथा–कहानी अथवा घटना सुनना
- परिचय देना, परिचय प्राप्त करना
- भावानुकूल संवाद–वाचन

वार्तालाप की दक्षताएँ

टिप्पणी– वार्तालाप की दक्षताओं का मूल्यांकन निरंतरता के आधार पर परीक्षा के समय होगा।

वाचन (बोलना) का मूल्यांकन (ASSESSMENT OF SPEAKING)

- चित्रों के क्रम पर आधारित वर्णनः इस भाग में अपेक्षा की जाएगी कि परीक्षार्थी विवरणात्मक भाषा का प्रयोग करें।
- किसी चित्र का वर्णनः (चित्र लोगों के या स्थानों के हो सकते हैं।)
- किसी निर्धारित विषय पर बोलना जिससे वह अपने व्यक्तिगत अनुभव का अनुस्मरण कर सकें।
- कोई कहानी सुनना या किसी घटना का वर्णन करना।

टिप्पणी–

1. परीक्षण से पूर्व परीक्षार्थी को तैयारी के लिए कुछ समय दिया जाय।
2. विवरणात्मक भाषा में वर्तमान काल का प्रयोग अपेक्षित है।
3. निर्धारित विषय परीक्षार्थी के अनुभव संसार के हों जैसे– कोई चुटकुला या हास्य–प्रसंग सुनाना, हाल में पढ़ी पुस्तक या देखे गये सिनेमा की कहानी सुनाना।
4. जब परीक्षार्थी प्रश्न पत्र प्रारम्भ कर दें तो परीक्षक कम से कम हस्तक्षेप करें।

3. परियोजना कार्य (PROJECT WORK)

विद्यार्थी को शैक्षिक सत्र में विषय से सम्बन्धित एक प्रोजेक्ट कार्य करना होगा। विद्यार्थी प्रोजेक्ट कार्य हेतु विषय से सम्बन्धित किसी भी टॉपिक का विषयाध्यापक से परामर्श कर चयन कर सकता है।

4. सतत मूल्यांकन–इकाई परीक्षा (CONTINUOUS ASSESSMENT- UNIT TEST)

कक्षा 9–

सत्र में कुल 04 इकाई परीक्षायें होंगी (02 इकाई परीक्षायें अर्द्धवार्षिक परीक्षा से पूर्व तथा 02 अर्द्धवार्षिक परीक्षा के उपरान्त)। अर्द्धवार्षिक परीक्षा के परीक्षाफल निर्माण हेतु प्रथम दो इकाई परीक्षाओं (प्रथम व द्वितीय) में से अधिक प्राप्तांक वाली इकाई परीक्षा के अंक लिये जायेंगे तथा इन अंकों को 05 के भारांक में परिवर्तित किया जायेगा। इसी प्रकार वार्षिक परीक्षा के परीक्षाफल निर्माण हेतु अन्तिम दो इकाई परीक्षाओं (तृतीय व चतुर्थ) में से अधिक प्राप्तांक वाली इकाई परीक्षा के अंक लेकर इन अंकों को 05 के भारांक में परिवर्तित किया जायेगा।

निर्धारित पाठ्यपुस्तकें–

1. **'शेमुषी'** प्रथमो भागः, (कक्षा 9) एन0सी0ई0आर0टी0, नई दिल्ली द्वारा प्रकाशित नवीनतम संस्करण।
2. **व्याकरणवीथिः**, व्याकरणपुस्तकम् एन0सी0ई0आर0टी0, नई दिल्ली द्वारा प्रकाशित नवीनतम संस्करण।

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2023-24

SCIENCE (033)

CLASS- IX

TOTAL MARKS- 100 {80 (Theory) + 20 (Internal Assessment)}

THEORY: 80 Marks **Time: 3:00 Hrs.**

Unit No.	Unit	Marks
I	Matter- Its Nature and Behaviour	25
II	Organization in the Living World	22
III	Motion, Force and Work	27
IV	Food; Food Production	06
	Total	**80**

Theme: Materials

Unit I: Matter- Nature and Behaviour

Definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state- melting (absorption of heat), freezing, evaporation (cooling by evaporation), condensation, sublimation.

Nature of matter: Elements, compounds and mixtures. Heterogeneous and homogenous mixtures, colloids and suspensions. Physical and chemical changes.

Particle nature and their basic units: Atoms and molecules, Law of Chemical Combination, Chemical formula of common compounds, Atomic and molecular masses.

Structure of Atoms: Electrons, protons and neutrons, Valency, Atomic Number and Mass Number, Isotopes and Isobars.

Theme: The World of the Living

Unit II: Organization in the Living World

Cell- Basic Unit of life : Cell as a basic unit of life; prokaryotic and eukaryotic cells, multi-cellular organisms; cell membrane and cell wall, cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus; nucleus, chromosomes - basic structure, number.

Tissues, Organs, Organ System, Organism:

Structure and functions of animal and plant tissues (only four types of tissues in animals; Meristematic and Permanent tissues in plants).

Theme: Moving Things, People and Ideas

Unit III: Motion, Force and Work

Motion: Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, elementary idea of uniform circular motion.

Force and Newton's laws : Force and Motion, Newton's Laws of Motion, Action and Reaction forces, Inertia of a body, Inertia and mass, Momentum, Force and Acceleration.

Gravitation: Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall.

Floatation: Thrust and Pressure. Archimedes' principle; Buoyancy.

Work, Energy and Power: Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy.

Sound: Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound; reflection of sound; echo.

Theme: Food

Unit IV: Food Production

Plant and animal breeding and selection for quality improvement and management; Use of fertilizersand manures; Protection from pests and diseases; Organic farming.

INTERNAL ASSESSMENT : 20 Marks

1- Physics Practical 03 Marks
2- Chemistry Practical 03 Marks
3- Biology Practical 03 Marks
4- Sessional Work 03 Marks
5- Viva Voce 03 Marks
6- Continuous Assessment (Unit Test) 05 Marks

(There will be total 4 Unit Tests to be conducted throughout the year (two Unit Tests before half yearly examination and two after half yearly examination). At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. Likewise best of two Unit Tests (III & IV) marks will be taken and converted to the weightage of 05 marks for the annual result preparation.)

PRACTICALS

Practicals should be conducted alongside the concepts taught in theory classes.

(LIST OF EXPERIMENTS)

1. Preparation of: **Unit-I**
   a) a true solution of common salt, sugar and alum
   b) a suspension of soil, chalk powder and fine sand in water
   c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of
      - transparency
      - filtration criterion
      - stability

2. Preparation of **Unit-I**
   a) A mixture
   b) A compound
   using iron filings and sulphur powder and distinguishing between these on the basis of:
      (i) appearance, i.e., homogeneity and heterogeneity
      (ii) behaviour towards a magnet
      (iii) behaviour towards carbon disulphide as a solvent
      (iv) effect of heat

3. Perform the following reactions and classify them as physical or chemical changes: **Unit-I**
   a) Iron with copper sulphate solution in water
   b) Burning of magnesium ribbon in air
   c) Zinc with dilute sulphuric acid
   d) Heating of copper sulphate crystals
   e) Sodium sulphate with barium chloride in the form of their solutions in water

4. Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams. **Unit-II**

5. Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped,smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labeleddiagrams. **Unit-II**

6. Determination of the melting point of ice and the boiling point of water. **Unit-I**

7. Verificationof the Laws of reflection of sound. **Unit-III**

8. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder. **Unit-III**

9. Establishing the relation between the loss in weight of a solid when fully immersed in- **Unit-III**
   a) Tap water
   b) Strongly salty water with the weight of water displaced by it by taking at least two differentsolids.

10. Determination of the speed of a pulse propagated through a stretched string/slinky (helicalspring). **Unit-III**

11. Verification of the law of conservation of mass in a chemical reaction. **Unit-III**

2023-24

SOCIAL SCIENCE (034)

CLASS- IX

TOTAL MARKS- 100 {80 (Theory) + 20 (Internal Assessment)}

THEORY: 80 Marks **Time: 3:00 Hrs.**

Unit No.	Unit	Marks
I	INDIA AND THE CONTEMPORARY WORLD-I	18
II	CONTEMPORARY INDIA	20
III	DEMOCRATIC POLITICS	18
IV	ECONOMICS	16
V	DISASTER MANAGEMENT	08
	Total	**80**

Unit I: INDIA AND THE CONTEMPORARY WORLD-I

Section 1: Events and Processes: (All the three themes are compulsory)

I. The French Revolution:

- French Society During the Late Eighteenth Century
- The Outbreak of the Revolution
- France Abolishes Monarchy and Becomes a Republic
- Did Women have a Revolution?
- The Abolition of Slavery
- The Revolution and Everyday Life

II. Socialism in Europe and the Russian Revolution:

- The Age of Social Change
- The Russian Revolution
- The February Revolution in Petrograd
- What Changed after October?
- The Global Influence of the Russian Revolution and the USSR

III. Nazism and the Rise of Hitler:

- Birth of the Weimar Republic
- Hitler's Rise to Power
- The Nazi Worldview
- Youth in Nazi Germany
- Ordinary People and the Crimes Against Humanity

Section 2: Livelihoods, Economies and Societies:

IV. Forest Society and Colonialism:

- Why Deforestation?
- The Rise of Commercial Forestry
- Rebellion in the Forest
- Forest Transformations in Java

V. Pastoralists in the Modern World:

- Pastoral Nomads and their Movements
- Colonial Rule and Pastoral life
- Pastoralism in Africa

Map Work- 02 Marks

Unit II: CONTEMPORARY INDIA

1- India

- Location
- Size
- India and the World
- India's Neighbours

2- Physical Features of India:

- Major Physiographic Divisions– Himalayan Mountains, Northern Plains, Peninsular Plateau, Indian Desert, Coastal Plains, Islands

3- Drainage:

- Concept
- Drainage Systems in India
- The Himalayan Rivers- Ganga and Brahmaputra River System
- The Peninsular Rivers- Narmada Basin, Tapti Basin, Godavari Basin, Mahanadi Basin, Krishna Basin, Kaveri Basin
- Lakes
- Role of Rivers in the Economy
- River Pollution

4. Climate: • Concept • Climatic Controls • Factors influencing India's climate– Latitude, Altitude, Pressure and Winds • The Seasons– Cold Weather Season, Hot Weather Season, Advancing Monsoon, Retreating/ Post Monsoons • Distribution of Rainfall • Monsoon as a unifying bond **5. Natural Vegetation and Wild Life:** • Types of Vegetation– Tropical Evergreen Forests, Tropical Deciduous Forests, Thorn	Forests and Shrubs, Montane Forests, Mangrove Forests • Wild Life **6. Population:** • Population Size and Distribution– India's Population Size and Distribution by Numbers, India's Population Distribution by Density • Population Growth and Processes of Population Change– Population Growth, Processes of Population Change/Growth. ***Map Work- 04 Marks***

Unit III: DEMOCRATIC POLITICS

1- What is Democracy? Why Democracy? • What is Democracy? • Features of Democracy • Why Democracy? • Broader Meanings of Democracy **2- Constitutional Design:** • Democratic Constitution in South Africa • Why do we need a Constitution? • Making of the Indian Constitution • Guiding Values of the Indian Constitution **3- Electoral Politics:** • Why Elections? • What is our System of Elections? • What makes elections in Indiademocratic?	**4- Working of Institutions:** • How is the major policy decision taken? • Parliament • Political Executive • The Judiciary **5- Democratic Rights:** • Life without Rights • Rights in a Democracy • Rights in the Indian Constitution • Expanding scope of rights

Unit IV: ECONOMICS

1- The Story of Village Palampur: • Overview • Organization of Production • Farming in Palampur • Non-farm activities in Palampur	**2- People as Resource:** • Overview • Economic Activities by Men and Women • Quality of Population • Unemployment
3- Poverty as a Challenge: • Overview • Two typical cases of Poverty • Poverty as seen by Social Scientists • Poverty Estimates • Vulnerable Groups • Interstate Disparities • Global Poverty Scenario • Causes of Poverty • Anti-Poverty measures • The Challenges Ahead	**4- Food Security in India**: • Overview • What is Food Security? • Why Food Security? • Who are food insecure? • Food Security in India • What is Buffer Stock? • What is the Public Distribution System? • Current Status of Public Distribution System • Role of Cooperatives in food security

Unit V: DISASTER MANAGEMENT

1- Man-made Disasters- Nuclear, Biological and Chemical
2- Common Hazards- Prevention and Mitigation
3- Community based Disaster Management

INTERNAL ASSESSMENT : 20 Marks

1- Assignments- 05 (02 marks for each) - 10 Marks
2- Project Work (01 Project)- 05 Marks
3- Continuous Assessment (Unit Test)- 05 Marks

(There will be total 4 Unit Tests to be conducted throughout the year (two Unit Tests before half yearly examination and two after half yearly examination). At the time of half yearly result preparation best of two Unit Tests (I & II) marks will be taken and converted to the weightage of 05 marks. Likewise best of two Unit Tests (III & IV) marks will be taken and converted to the weightage of 05 marks for the annual result preparation.)