

DAV PUBLIC SCHOOL
UPPAL'S SOUTHEND, SECTOR-49, GURUGRAM

PRE-BOARD SYLLABUS
GRADE X

ENGLISH

Section A- Reading Comprehension through Unseen Passage

- I. Discursive passage of 400-450 words.
- II. Case-based passage (with visual input- statistical data, chart etc.) of 200-250 words.

Section B - Grammar and Writing Skills

III. Grammar

- Tenses
- Modals
- Determiners
- Subject – verb concord
- Reported speech

o Commands and requests

o Statements

o Questions

IV. Creative Writing Skills

- I. Formal Letter based on a given situation in 100-120 words.
- II. Writing an Analytical Paragraph (100-120 words) on a given Map / Chart/ Graph/Cue/ s.

Section C

Literature : First Flight -Prose

1. A letter to God
2. Nelson Mandela - Long Walk to Freedom
3. Two Stories About Flying
4. From the Diary of Anne Frank
5. Glimpses of India
6. Mijbil the Otter
7. Madam Rides the Bus
8. The Sermon at Benares
9. The Proposal (Play)

Poems

1. Dust of Snow
1. Dust of Snow
2. Fire and Ice
3. A tiger in the Zoo

4. How to Tell Wild Animals
5. The Ball Poem 6. Amanda!
7. The Trees
8. Fog
9. The Tale of Custard the Dragon
10. For Anne Gregory

FOOTPRINTS WITHOUT FEET

1. A Triumph of Surgery
2. The Thief's Story
3. The Midnight Visitor
4. A Question of Trust
5. Footprints Without Feet
6. The making of a Scientist
7. The necklace
8. Bholi
9. The Book That Saved the Earth

HINDI

वस्तुनिष्ठ

दो अपठित गद्यांश (10)

व्याकरण (16)

समास, रचना के आधार पर वाक्य भेद, पदबंध, मुहावरे

स्पर्श (गद्य) (7)

पठित गद्यांश
दो बहुवैकल्पिक प्रश्न

स्पर्श (पद्य) (7)

पठित पद्यांश
दो बहुवैकल्पिक प्रश्न

विषयनिष्ठ

गद्य (6)

पद्य (6)

संचयन (6)

लेखन (22)

अनुच्छेद लेखन, औपचारिक पत्र, सूचना, विज्ञापन, लघु कथा, ई मेल

SANSKRIT

संस्कृतपाठ्यक्रमः (कोड नं. 122)

कक्षा – दशमी (2022-23)

वार्षिक मूल्याङ्कनम्

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‘क’ भागः अपठित – अवबोधनम्	
1. एकः अपठितः गद्यांशः 80-100 शब्दपरिमितः गद्यांशः, सरलकथा, वर्णनं वा ➤ एकपदेन पूर्णवाक्येन च अवबोधनात्मकं कार्यम् ➤ शीर्षकलेखनम् ➤ अनुच्छेद – आधारितं भाषिकं कार्यम्	2+4+1
भाषिककार्याय तत्त्वानि - ✓ वाक्ये कर्तृ – क्रिया पदचयनम् ✓ कर्तृ - क्रिया – अन्वितिः ✓ विशेषण – विशेष्य चयनम् ✓ पर्याय – विलोमपद – चयनम्	3
‘ख’ भागः रचनात्मकं कार्यम्	
2. सङ्केताधारितम् औपचारिकम् अथवा अनौपचारिकं पत्रलेखनम् 3. चित्राधारितं वर्णनम् अथवा अनुच्छेदलेखनम् 4. हिन्दीभाषायाम् आङ्ग्लभाषायां वा लिखितानां पञ्चसरलवाक्यानां संस्कृतभाषायाम् अनुवादः	
‘ग’ भागः अनुप्रयुक्त-व्याकरणम्	
5. सन्धिकार्यम् ➤ व्यञ्जनसन्धिः - वर्गीयप्रथमवर्णस्य तृतीयवर्णे परिवर्तनम्, प्रथमवर्णस्य पञ्चमवर्णे परिवर्तनम् ➤ विसर्गसन्धिः - विसर्गस्य उत्त्वम्, रत्वम्, विसर्गलोपः, विसर्गस्य स्थाने स्, श्, ष्	(2+2)
6. समासः - वाक्येषु समस्तपदानां विग्रहः विग्रहपदानां च समासः ➤ तत्पुरुषः – विभक्तिः ➤ बहुव्रीहिः ➤ अव्ययीभावः (अनु, उप, सह, निर्, प्रति, यथा) ➤ द्वन्द्वः (केवलम् इतरेतरः)	(1+1+1=1)
7. प्रत्ययाः ➤ तद्धिताः – मतुप्, ठक्, त्व, तल् ➤ स्त्रीप्रत्ययौ – टाप्, डीप्	(3+1)

8. वाच्यपरिवर्तनम् - केवलं लट्लकारे (कर्तृ-कर्म-क्रिया)
9. समयः - अङ्गानां स्थाने शब्देषु समयलेखनम्
(सामान्य - सपाद - सार्ध - पादोन)
10. अव्ययपदानि
उच्चैः, च, श्वः, ह्यः, अद्य, अत्र-तत्र, यत्र-कुत्र, इदानीम्, (अधुना, सम्प्रति, साम्प्रतम्)
यदा, तदा, कदा, सहसा, वृथा, शनैः, अपि, कुतः, इतस्ततः, यदि-तर्हि, यावत्-तावत्
11. अशुद्धि-संशोधनम् (वचन-लिङ्ग-पुरुष-लकार-विभक्तिदृष्ट्या संशोधनम्)

‘घ’ भागः

पठितावबोधनम्

12. गद्यांशम् अधिकृत्य अवबोधनात्मकं कार्यम्
प्रश्नप्रकाराः - एकपदेन पूर्णवाक्येन च प्रश्नोत्तराणि
भाषिककार्यम् -
 - वाक्ये कर्तृ - क्रिया पदचयनम्
 - विशेषण - विशेष्य चयनम्
 - पर्याय - विलोमपद - चयनम्
13. पद्यांशम् अधिकृत्य अवबोधनात्मकं कार्यम्
प्रश्नप्रकाराः - एकपदेन पूर्णवाक्येन च प्रश्नोत्तराणि
भाषिककार्यम् -
 - वाक्ये कर्तृ - क्रिया पदचयनम्
 - विशेषण - विशेष्य चयनम्
 - पर्याय - विलोमपद - चयनम्
14. नाट्यांशम् अधिकृत्य अवबोधनात्मकं कार्यम्
प्रश्नप्रकाराः - एकपदेन पूर्णवाक्येन च प्रश्नोत्तराणि
भाषिककार्यम् -
 - वाक्ये कर्तृ - क्रिया पदचयनम्
 - विशेषण - विशेष्य चयनम्
 - पर्याय - विलोमपद - चयनम्
15. वाक्येषु रेखाङ्कितपदानि अधिकृत्य चतुर्णां प्रश्नानां निर्माणम्
16. श्लोकान्वयः/ एकस्य श्लोकस्य संस्कृतेन भावार्थलेखनम्
17. घटनाक्रमानुसारं कथालेखनम्
18. प्रसङ्गानुकूलम् अर्थचयनम्
(पाठान् आधृत्य लघूत्तरात्मकाः प्रश्नाः)

पाठसङ्ख्या	पाठनाम
प्रथमः पाठः	शुचिपर्यावरणम्
द्वितीयः पाठः	बुद्धिर्बलवती सदा
चतुर्थः पाठः	शिशुलालनम्
पञ्चमः पाठः	जननी तुल्यवत्सला
षष्ठः पाठः	सुभाषितानि
सप्तमः पाठः	सौहार्द प्रकृतेः शोभा
अष्टमः पाठः	विचित्रः साक्षी
नवमः पाठः	सूक्तयः
द्वादशः पाठः	अन्योक्तयः

MATHEMATICS

UNIT I: NUMBER SYSTEMS

1. Real numbers

Fundamental Theorem of Arithmetic - statements after reviewing work done earlier and after illustrating and motivating through examples, Proofs of irrationality of $\sqrt{2}, \sqrt{3}, \sqrt{5}$

UNIT II: ALGEBRA

2. Polynomials

Zeros of a polynomial. Relationship between zeros and coefficients of quadratic polynomials.

3. 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 a pair of linear equations in two variables algebraically - by substitution, by elimination. Simple situational problems.

4. Quadratic Equations

Standard form of a quadratic equation $ax^2 + bx + c = 0$, ($a \neq 0$). Solutions of quadratic equations (only real roots) by factorization, and by using quadratic formula. Relationship between discriminant and nature of roots. Situational problems based on quadratic equations related to day to day activities to be incorporated

5. Arithmetic Progression

Motivation for studying Arithmetic Progression Derivation of the nth term and sum of the first n terms of A.P. and their application in solving daily life problems.

UNIT III: COORDINATE GEOMETRY

6. Coordinate Geometry

Concepts of coordinate geometry, graphs of linear equations. Distance formula. Section formula (internal division).

UNIT IV: GEOMETRY

7. Triangles

Definitions, examples, counter examples of similar triangles.

1. (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.
2. (Motivate) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third side.
3. (Motivate) If in two triangles, the corresponding angles are equal, their corresponding sides are proportional and the triangles are similar.
4. (Motivate) If the corresponding sides of two triangles are proportional, their corresponding angles are equal and the two triangles are similar.
5. (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.

8.Circles

Tangent to a circle at, point of contact

1. (Prove) The tangent at any point of a circle is perpendicular to the radius through the point of contact.
2. (Prove) The lengths of tangents drawn from an external point to a circle are equal.

UNIT V: TRIGNOMETRY

9.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 of the trigonometric ratios of 30° , 45° and 60° . Relationships between the ratios.

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

10.Heights and Distances

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

UNIT VI: MENSURATION

11.Areas related to circles

Area of sectors and segments of a circle. Problems based on areas and perimeter / circumference of the above said plane figures. (In calculating area of segment of a circle, problems should be restricted to central angle of 60° , 90° and 120° only.

12.Surface area and Volumes

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

UNIT VII: STATISTICS AND PROBABILITY

13.Statistics

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

14.Probability

Classical definition of probability. Simple problems on finding the probability of an event.

REFERENCE : www.cbse.gov.in

SCIENCE

PHYSICS

L- 10: LIGHT-REFLECTION AND REFRACTION

L-11: THE HUMAN EYE AND THE COLOURFUL WORLD

L-12; ELECTRICITY

L-13: MAGNETIC EFFECTS OF ELECTRIC CURRENT

CHEMISTRY

- L 1: Chemical reactions and equations
- L 2: Acid , bases and salt
- L 3: Metals and non metals
- L 4: Carbon and its compounds

BIOLOGY

- L 6: Life Processes
- L7: Control & COordination
- L8: How Do Organisms Reproduce?
- L9: Heredity (only till sex Determination)
- L15 : Our Environment

SOCIAL SCIENCE

History-

1. The Rise of Nationalism in Europe: (Map work)
 2. Nationalism in India (Map work)
 3. The making of a global world
 4. The age of Industrialisation
 5. Print culture and modern world
- Geography - (including map work)
1. Resource and development
 2. Forest and Resource
 3. Water Resource
 4. Agriculture
 5. Mineral and energy resource
 6. Manufacturing industries
 7. Lifeline of Indian economy

Democratic politics

1. Power sharing
2. Fedralism
3. Gender Religion and caste
4. Political parties
5. Outcomes of democracy

Economics

1. Development
2. Sectors of Indian economy
3. Money and credit
4. Globalisation

HOME SCIENCE

Unit I: Human growth & development II

- a. Play (birth-5 years), role of play in growth & development of children. Types of play active, passive, natural, serious and exploratory, selection of play material for children.
- b. Childhood (3 to 11 years)-Age specific milestones- Physical, motor, social, emotional, cognitive and language.
- c. Adolescents: Special Features- Physical and biological, motor, social, emotional, Cognitive and language.

Unit II: Management of Resources: Time, Energy and Money a) Time Management - Definition and Importance b) Time plans - Factors affecting time plan c) Energy Management : Definition and Importance d) Fatigue and work Simplification

Unit III : Food and Personal Hygiene

- a. Principles of hygienic handling and serving of food
- b. Hygiene in kitchen
- c. Personal hygiene of Food Handler
- d. Hygiene during food storage

Unit IV : Meal Planning

- a. Concept of Meal planning
- b. Factors affecting meal Planning - age, sex, climate, occupation, cost of food items, number of family members, occasion, availability of food items, family traditions, likes and dislikes.
- c. Basic food groups given by ICMR
- d. Uses of food Groups in planning balanced meals for self and family.

Unit V : Food Safety and Consumer Education

- a. Problems faced by consumers- Price Variation, Poor quality, faulty weights and measures, Non - availability of goods, Misleading information , lack of standardised products
- b. Food adulteration : Concept, adulterants(Metanil yellow, argemone, Kesari dal) and harmful effects of these adulterants on human health.
- c. Food safety standards - FSSAI (2226)

Unit VI : Care and Maintenance of Fabrics and Apparel

- a. Cleaning and finishing agents used in routine care of clothes.
- b. Stain removal
- c. Storage of cotton , Silk , Wool and Synthetic Clothes.

PAINTING

UNIT-II : Methods and Materials of Painting

Tools

Painting Materials – Poster Colours, Water Colours, Oil Pastels and Pencils

UNIT-III: Story of Indian Art

Appreciation of Indian Art covering selected paintings, sculptures and architectural glimpses.

Paintings

Bodhisattava Padmapani (Ajanta)

Sculpture

Ashokan Lion capital (Mauryan Period)

Architecture

Kailashnatha Temple, (Ellora, Maharashtra)

Indian Folk Art – Paintings: Madhubani and Warli

ARTIFICIAL INTELLIGENCE

Theory (50 marks)

Employability skills

Ch 2 : Self - 3 marks Management Skills

Ch 3: ICT Skills - 3 marks

Ch 4: Entrepreneurial Skills - 4 Marks

Subject Specific Skills:

Ch 1 : Introduction to AI - 10 marks

Ch 2: AI project Life Cycle - 10 marks

Ch 6: NLP - 10 marks

Ch 7: Evaluation - 10 marks

Practical (50 Marks)

Practical + Viva

Advance Python - conditional statements, loops, lists, matplotlib

Data science: Activity based on data analysis in Excel.

Computer Vision : Activity on CV.

File : 15 marks

INFORMATION TECHNOLOGY

Theory (50 marks)

Employability skills

Ch 2 : Self Management Skills - 3 marks

Ch 3: ICT Skills - 3 marks

Ch 4: Entrepreneurial Skills - 4 Marks

Subject Specific Skills:

Unit 1: Digital Documentation (Advanced) 8 MARKS

Unit 2: Electronic Spreadsheet (Advanced) 10 MARKS

Unit 3: Database Management System 12 MARKS

Unit 4: Web Applications and Security 10 MARKS

PRACTICAL (30 + 20 MARKS)

Advanced Documentation

Advanced Spreadsheets

Databases

Viva Voce 10 Marks

PRACTICAL FILE – 10 MARKS
