VIDYA DEVI JINDAL SCHOOL, HISAR APTITUDE ASSESSMENT FOR ADMISSION (2027-28)
CLASS WISE - SYLLABUS

CLASS IV

SUBJECT: ENGLISH(Maximum Marks: 20)

1. Reading Skills: Unseen Passage: (4 MCQs + 2 objective questions to be answered in 20-30 words+ 1 vocabulary) 7 marks
2. Writing: Paragraph Writing **in 60 words**. (Picture Description, Guided Writing, Simple Topics): 5 marks
3. Grammar: Topics: Nouns, Kinds of Nouns, Pronouns, Kinds of Pronouns, Adjectives, Degrees of Adjectives, Verbs, Preposition Articles a, an, or the: 5 marks **(10 sentences = 0.5 mark each)**
4. Jumbled sentences: 3 marks

SUBJECT: MATHEMATICS (Maximum Marks: 20)

1. Large numbers up to 4 digits
2. Addition and Subtraction
3. Multiplication and Division
4. Fractions
5. Area and Perimeter
6. Time
7. 2D and 3D shapes

CLASS V

SUBJECT: ENGLISH(Maximum Marks: 20)

1. Reading Skills: Unseen Passage: (4 MCQs + 2 objective questions to be answered in 20-30 words+ 1 vocabulary) 7marks
2. Writing: Paragraph Writing **in 70 words**. (Picture Description, Guided Writing, Simple Topics): 5 marks
3. Grammar: Topics: Nouns, Kinds of Nouns, Pronouns, Kinds of Pronouns, Adjectives and degrees of Adjectives, Verbs, Adverbs, Prepositions, Articles: a, an or the and Conjunctions: 5 marks **(10 sentences = 0.5 mark each)**
4. Jumbled sentences: 3 marks

SUBJECT: MATHEMATICS (Maximum Marks: 20)

1. Shapes Around Us 2.Pattern Around Us 3. Thousand Around Us 4. Addition and Subtraction 5. Fractions 6.Time 7. Measurement(Length, Volume, Weight) 8. Multiplication and Division 9. Data Handling

CLASS VI

SUBJECT: ENGLISH(Maximum Marks: 20)

1. Reading Skills :Unseen Passage: (4 MCQs + 2 objective questions to be answered in 20-30 words+ 1 vocabulary) 7 marks
2. Writing: Informal Letter **in 80 words** : 5 marks
3. Grammar: Nouns (Common/Proper), Adjectives, Pronoun, Verb and Adverb, Preposition, Articles: a, an or the and Conjunctions , Simple Tenses 5 marks**(10 sentences = 0.5 mark each)**
4. Jumbled sentences: 3 marks

SUBJECT: MATHEMATICS (Maximum Marks: 20)

1. We the Travellers- I(Large Numbers)
2. Fractions
3. Angles as Turns
4. Addition and Subtraction
5. Far and Near
6. Multiplication and Division
7. Shapes and Patterns
8. Weight and Capacity
9. Area and Perimeter
10. Time
11. Data through Pictures

SUBJECT: SCIENCE(Maximum Marks: 20)

SNO	NAME	INSIGHTS OF THE TOPICS
1	**Unit 1: Life Around Us** Chapter 1: Water — The Essence of Life Chapter 2: Journey of a River	● What is water; different forms (solid, liquid, gas) ● Sources of water (rain, rivers, lakes, groundwater) ● The water cycle (evaporation, condensation, precipitation) How much of Earth's water is usable / fresh water scarcity ● Importance of water for plants, animals and humans ● Ways to conserve water; safe use and avoiding wastage ● How a river starts (source), flows through various terrains, joins tributaries ● Landforms associated with rivers (meanders, delta, floodplains) ● Role of rivers in supporting life (people, plants, animals)

		• Human uses of rivers (irrigation, transport, power) • Problems faced by rivers: pollution, dams, floods • Ways to protect rivers and maintain river health •
2.	**Unit 2: Health and Well-being** Chapter 3: The Mystery of Food Chapter 4: Our School – A Happy Place	• What food is; why we need food; nutrients in food – carbohydrates, proteins, fats, vitamins, minerals • Sources of food: plants, animals • How food reaches us (farm to plate) Balanced diet and good eating habits • Food preservation and storage; avoiding wastage • What makes a school happy and healthy: healthy environment, friendly relationships, safety • My rights and responsibilities as a student • Activities and facilities in a school: library, playground, labs, sanitation • How to make school inclusive and positive (respect, cooperation, teamwork)
3.	**Unit 3: Incredible India** Chapter 5: Our Vibrant Country Chapter 6: Some Unique Places	• Diversity of India: people, languages, religions, cultures • Physical features of India: mountains, plains, plateaus, coasts • States & Union Territories: variety and special features • National symbols and unity in diversity • Special places in India: natural wonders, cultural / historical sites • What makes these places unique: geography, history, culture • Importance of conserving heritage places and natural sites • Role of tourism and its responsible practice
4.	**Unit 4: Things Around Us** Chapter 7: Energy – How Things Work	What is energy; different forms (light, heat, motion, sound) • How we use energy in daily life (appliances, vehicles, machines)

	Chapter 8: Clothes – How Things Are Made	• Sources of energy: renewable and non-renewable • Saving energy and efficient use • Why we need clothes; materials used (cotton, wool, silk, synthetics) • How clothes are made: from raw material → fibre → yarn → fabric → garment • Traditional and modern methods of making clothes • Importance of caring for clothes; sustainable fashion •
5.	**Unit 5: Our Amazing Planet** Chapter 9: Rhythms of Nature Chapter 10: Earth – Our Shared Home	• Natural patterns: day/night, seasons, weather cycles • How these rhythms affect plants, animals and human activities • Calendars and clocks: how we measure time • Effects of changing patterns (climate change) • Earth's features: land, water, air; major ecosystems • Biodiversity: variety of life, interdependence of living things • Environmental issues: pollution (air, water, soil), deforestation, waste • What we can do: conserve resources, reduce waste, live responsibly •

SUBJECT HINDI:

विषय-हिंदी (पाठ्यक्रम - कुल अंक = 20)

अपठित गद्यांश- 5 अंक
व्याकरण -

- **संज्ञा - 2 अंक**
- **सर्वनाम - 2 अंक**
- **विशेषण - 2 अंक**
- **विलोम शब्द - 2 अंक**
- **पर्यायवाची शब्द - 2 अंक**

अनुच्छेद लेखन / संवाद - लेखन - 5 अंक

CLASS VII

SUBJECT: ENGLISH(Maximum Marks: 20)

1. Reading Skills :Unseen Passage: (4 MCQs + 2 objective questions to be answered in 20-30 words+ 1 vocabulary) 7 marks
2.
3. Writing Skills: Paragraph Writing /Picture Composition/Story Writing **in 100 words**: 5 marks 3. Grammar: Nouns, Kinds of Nouns, Pronouns, Kinds of Pronouns, Adjectives and degrees of Adjectives, Verbs, Adverbs, Prepositions, Articles: a, an or the, Conjunctions, Tenses (Simple, Continuous): 5 marks **(10 sentences = 0.5 mark each)**
4. Jumbled sentences: 3 marks

SUBJECT: MATHEMATICS (Maximum Marks: 20)

Patterns in Mathematics, Lines and Angles, Number Play, Data Handling and Presentation, Prime Time, Perimeter and Area, Fractions, Playing with Construction, Symmetry, The Other Side of Zero.

SUBJECT: SCIENCE(Maximum Marks: 20) UPDATED

Chapter : Diversity in the Living World
Chapter : Mindful Eating: A Path to a Healthy Body
Chapter : Exploring Magnets
Chapter : Measurement of Length and Motion
Chapter : Materials Around Us
Chapter : Temperature and Its Measurement
Chapter : A Journey through States of Water
Chapter : Methods of Separation in Everyday Life
Chapter : Living Creatures: Exploring their Characteristics

SUBJECT HINDI:

विषय- हिंदी कक्षा- सातवीं
पाठ्यक्रम

अपठित गद्यांश - 4 अंक
भाषा, बोली लिपि एवं व्याकरण - 4 अंक
उत्पत्ति एवं रचना के आधार पर शब्द भेद- 4 अंक
विशेषण - 4 अंक
अनुच्छेद लेखन/औपचारिक-पत्र लेखन- 4 अंक

कुल अंक=20

CLASS VIII

SUBJECT: ENGLISH(Maximum Marks: 20)

1. Reading Skills: Unseen Passage: (4 MCQs + 2 objective questions to be answered in 20-30 words+ 1 vocabulary) 7 marks
2. Writing Skills: Informal Letter **in 120 words**: 5 marks
3. Grammar: Parts of Speech, Tenses (Simple, Continuous, Perfect), subject verb agreement: 5 marks **(10 sentences = 0.5 mark each)**
4. Sentence Reordering: 3 marks

SUBJECT: MATHEMATICS (Maximum Marks: 20)

Large numbers around us, Arithmetic Expressions, A peek beyond the points, Expressions using letter numbers, parallel and intersecting lines, A tale of three intersecting lines, working with fractions, Operations with integers, Finding common ground, Connecting the dots.

SUBJECT: SCIENCE(Maximum Marks: 20) UPDATED

- **Chapter 2:** Exploring Substances: Acidic, Basic and Neutral
- **Chapter 3:** Electricity: Circuits and Their Components
- **Chapter 4:** The World of Metals and Non-metals
- **Chapter 5:** Changes Around Us: Physical and Chemical
- **Chapter 6:** Adolescence: A Stage of Growth and Change
- **Chapter 7:** Heat Transfer in Nature
- **Chapter 8:** Measurement of Time
- **Chapter 9:** Life Processes
- **Chapter 10:** Life Processes in Plants
- **Chapter 11:** Light: Shadows and Reflections

SUBJECT HINDI:

विषय-हिंदी (पाठ्यक्रम-कुल अंक-20)

- अपठित गद्यांश - **4 अंक**
- **पर्यायवाची- विलोम शब्द- 4 अंक**
- **अनेकार्थी व वाक्यांश के लिए एक शब्द- 4 अंक**
- **विशेषण व उसके भेद- 2 अंक**
- **क्रियाविशेषण व उसके भेद- 2 अंक**
- **औपचारिक-पत्र लेखन / अनुच्छेद लेखन- 4 अंक**

CLASS IX

SUBJECT: ENGLISH (Maximum Marks: 20)

1. Reading Skills : Unseen Passage: (4 MCQs + 2 objective questions to be answered in 20-30 words+ 1 vocabulary) 7 marks
2. Writing Skills: Short Story in 120-150 words 5 marks
3. Grammar: Determiners, Modals (may, might, shall, should, can, could, ought to, will, would) Tenses (Simple, Continuous, Perfect): 5 marks **(10 sentences = 0.5 mark each)**
4. Sentence Reordering: 3 marks

विषय - हिंदी (पाठ्यक्रम - कुल अंक = 20)

अपठित गद्यांश- 4 अंक

व्याकरण-

- संज्ञा - 2 अंक
- सर्वनाम - 2 अंक
- विशेषण - 2 अंक
- विराम चिह्न - 2 अंक
- उपसर्ग-प्रत्यय - 4 अंक

लेखन- कौशल

अनुच्छेद लेखन/संवाद लेखन - 4 अंक

SUBJECT: MATHEMATICS (Maximum Marks: 20)

A Square and a Cube, Power Play, A story of numbers, Quadrilaterals, Number Play, We distribute, yet things multiply, Proportional Reasoning, Fractions in disguise, The Baudhayana – Pythagoras Theorem, Tales by Dots and Lines, Algebra and Area.

SUBJECT: SCIENCE (Maximum Marks: 20)

Chapter 2 The Invisible Living World: Beyond Our Naked Eye
Chapter 3 Health: The Ultimate Treasure
Chapter 4 Electricity: Magnetic and Heating Effects
Chapter 5 Exploring Forces
Chapter 7 Particulate Nature of Matter
Chapter 8 Nature of Matter: Elements, Compounds, and Mixtures

SUBJECT: SOCIAL SCIENCE(Maximum Marks: 20)

Chapter 1. Natural Resources & their uses
Chapter 3. Rise of the Marathas
Chapter 5. Universal Franchise and India's Electoral System
Chapter 7. Factors of Production

CLASS X

SUBJECT: ENGLISH(Maximum Marks: 20)

1. Reading Skills : Unseen Passage: (4 MCQs + 2 objective questions to be answered in 20-30 words+ 1 vocabulary) 7 marks
2. Writing Skills: Story Writing or Descriptive paragraph writing (object, person, situation, event with cues) in 120 words 5 marks
3. Sentence Reordering: 3 marks
4. Grammar: Reported Speech (Statement, Interrogative, Imperative: Command & Request), Modals (shall, should, can, could, may, might, will, would), Tenses, Determiners, subject-verb concord

(10 sentences = 0.5 mark each)

विषय :हिंदी (Maximum Marks: 20)

1. **अपठित गद्यांश** 5
2. **व्याकरण-**
   - अर्थ के आधार पर वाक्य भेद 2
   - विराम-चिह्न 2
   - अलंकार (अनुप्रास,श्लेष ,यमक) 2
   - उपसर्ग-प्रत्यय 2
   - निपात 2
3. **लेखन- कौशल** 5

   अनुच्छेद-लेखन /अनौपचारिक पत्र

SUBJECT: MATHEMATICS (Maximum Marks: 20)

Introduction to Linear Polynomials , Coordinate Geometry, The World of Numbers ,Exploring Algebraic Identities ,I'm Up and Down, and Round and Round ,Measuring Space: Perimeter and Area , Probability Predicting What Comes Next: Exploring Sequences and Progressions ,How Quantities Combine: Understanding Data ,Quadrilaterals Math of Space: Surface Area and Volume ,Two Variables, One Line

SUBJECT: SCIENCE (Maximum Marks: 20)

BIOLOGY: Cell-The Building block of life, Tissues In Action
CHEMISTRY: Chemistry-Is matter around us pure,Matter in our surroundings.
PHYSICS: Motion; Force and Laws of Motion; Gravitation

SUBJECT: SOCIAL SCIENCE(Maximum Marks: 20)

History: Early Humans and Beginning of Civilisation,State and Society up to 1000 CE
Civics: Democracy,Elections
Geography: Shaping of the Earth's Surface, Atmosphere and Climate

Economics : Building Blocks in Economics: The Problem of Choice, The Price Puzzle: What Drives the Market

CLASS XI

SUBJECT: ENGLISH(Maximum Marks: 30)

1. Reading Skills: Unseen Passage: (4 MCQs + 4 objective questions to be answered in 20-30 words+ 2 vocabulary) 10 marks
2. Formal Letter Writing: (Placing an Order/Enquiry/Letter to Editor) in 120 words : 5 marks 3. Analytical Paragraph Writing (a given Map / Chart / Graph / Cue/ s) in 120 words : 5 marks
4. Grammar (Determiners/Subject Verb Agreement/Tenses/Reported Speech/Modals) : (**10 sentences= 1 mark each)**

SUBJECT: MATHEMATICS (Maximum Marks: 30)

Real Numbers, Polynomials, Linear Equations, Coordinates Geometry, Quadratic Equations, Trigonometry, Arithmetic Progression

CLASS XII

SUBJECT: ENGLISH (Maximum Marks: 30)

SECTION A- READING SKILLS -12 MARKS

1. Reading unseen passage (400 words); questions based on the passage. 12

SECTION – B - CREATIVE WRITING SKILLS – 08 MARKS

2. Classified Advertisement (Situation Wanted, Situation Vacant, Missing: person, Lost: object, Sale, Purchase (Vehicle, flat, household appliances, furniture) , Matrimonial : Bride & Groom 3

3. Speech Writing or Debate Writing (120-150 words) 5

SECTION C- Grammar-10 MARKS

4. Application of Tenses 4

5. Clauses and its kinds 3

6. Sentence reordering 3

SUBJECT: MATHEMATICS (Maximum Marks: 20)

1. RELATIONS AND FUNCTIONS
2. TRIGONOMETRIC FUNCTIONS
3. COMPLEX NUMBERS
4. LINEAR INEQUALITIES
5. PERMUTATION AND COMBINATIONS
6. BINOMIAL THEOREM

PHYSICS(20MARKS): (Class XI syllabus of CBSE)

1. **Physical World – Introduction to physics, its scope, nature, and role of science and technology.**
2. **Units and Measurements – Fundamental and derived units, measurement techniques, and errors.**
3. **Motion in a Straight Line – Kinematics of rectilinear motion, displacement, velocity, and acceleration.**
4. **Motion in a Plane – Vectors, projectile motion, and uniform circular motion.**
5. **Laws of Motion – Newton's laws of motion, friction, and dynamics of circular motion.**
6. **Work, Energy and Power – Work-energy theorem, power, kinetic and potential energy, conservation of energy.**
7. **System of Particles and Rotational Motion – Centre of mass, torque, angular momentum, and rotational dynamics.**
8. **Gravitation – Universal law of gravitation, acceleration due to gravity, satellites, and escape velocity.**

9. **Mechanical Properties of Solids – Stress, strain, elastic modulus, and Hooke's law.**
10. **Mechanical Properties of Fluids – Pressure, viscosity, surface tension, and Bernoulli's theorem.**
11. **Thermal Properties of Matter – Heat transfer, specific heat, thermal expansion, and calorimetry.**
12. **Thermodynamics – Zeroth, first and second law of thermodynamics, heat engines, and refrigerators.**
13. **Kinetic Theory – Kinetic theory of gases, laws of equipartition, and mean free path.**
14. **Oscillations – Periodic motion, simple harmonic motion, and damped/forced oscillations.**
15. **Waves – Wave motion, speed of waves, superposition, standing waves, and resonance.**

CHEMISTRY(20 MARKS): (Class XI syllabus of CBSE)

Some Basic Concepts of Chemistry, Structure of Atom, Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure, Chemical Thermodynamics, Equilibrium, Redox Reactions, Organic Chemistry: Some basic Principles and Techniques, Hydrocarbons.