S. D. VIDYA MANDIR, HUDA, PANIPAT
HALF-YEARLY EXAMINATION
(SYLLABUS AND PAPER-PATTERN)
CLASS- 11 (SCIENCE)

ENGLISH (SYLLABUS)		
Reading Section	Unseen Passages Note- Making	
Writing Section	Classified Advertisements Speech Debate Poster Designing	
Grammar	Tenses Clauses Transformation of Sentences Reordering of Sentences	
Literature	**Hornbill** Ch-1 The Portrait of a Lady Ch-2 We're not Afraid to… Ch-3 Discovering Tut: The Saga Continues **Poems** P-1 A Photograph P-2 The Laburnum Top P-3 The Voice of the Rain	
	Snapshots Ch-1 The Summer of the Beautiful White Horse Ch-2 The Address Ch-3 The Mother's Day	
ENGLISH (PAPER-PATTERN)		
Section A – 26 Marks Reading Section		
I	**Reading Comprehension through Unseen Passages:**	**(10+8= 18 Marks)**
1.	One unseen passage to assess comprehension, interpretation, analysis, inference and vocabulary. The passage may be factual, descriptive or literary.	(10 marks) (2 x2=4, 1x3=3, 1x3=3 mcqs)
2.	One unseen case-based factual passage with verbal/visual inputs like statistical data, charts etc. to assess comprehension, interpretation, analysis, inference and evaluation.	(8 marks) (1x2=2, 1x3=3, 1x3=3 mcqs)
3.	Note Making and Summarization based on a passage of approximately 200-250 words. (Note Making: 5 Summary (up to 50 words): 3 Marks)	(5+3=8 marks)

	Section -B (23 marks)	
	Grammar and Creative Writing Skills	
II	**Grammar**	**(7 marks)**
4. **5.**	Questions on Gap filling (Tenses, Clauses) Questions on re-ordering/transformation of sentences (Total seven questions to be done out of the eight given).	
III	**Creative Writing Skills**	**(16 Marks)**
6.	Short writing task – Classified Advertisements, up to 50 words. (One out of two).	(3 Marks)
7.	Short writing task - Poster up to 50 words. (One out of the two given questions).	(3 Marks)
8.	Long Writing task: Speech in 120-150 words based on verbal / visual cues related to contemporary / age-appropriate topic. One out of the two given questions to be answered.	(5 Marks)
9.	Long Writing Task: Debate based on visual/verbal inputs in 120-150 words, thematically related to contemporary, topical issues. One out of the two given questions to be answered.	(5 Marks)
	Section- C (31 Marks)	
IV	**Literature**	
10.	One Poetry extract out of two, from the book Hornbill, to assess comprehension, interpretation, analysis, inference and appreciation.	**(3x1=3 Marks)**
11.	One Prose extract out of two, from the book Hornbill, to assess comprehension, interpretation, analysis, evaluation and appreciation.	**(3x1=3 Marks)**
12.	One prose extract out of two, from the book Snapshots, to assess comprehension, interpretation, analysis, inference and appreciation.	**(4x1=4 Marks)**
13.	Two Short answer type questions (one from Prose and one from Poetry, from the book (Hornbill), out of four, to be answered in 40-50 words. Questions should elicit inferential responses through critical thinking.	**(3x2=6 Marks)**
14.	One Short answer type question, from the book Snapshots, to be answered in 40- 50 words. Questions should elicit inferential responses through critical thinking. One out of two questions to be done.	**(3x1=3 Marks)**
15.	One Long answer type question, from Prose/Poetry of Hornbill, to be answered in 120-150 words. Questions can be based on incident / theme / passage / extract / event, as reference points to assess extrapolation beyond and across the text. The question will elicit analytical and evaluative response from the student. Any one out two.	**(1x6=6 Marks)**

16.	One Long answer type question, from the book Snapshots, to be answered in120-150 words to assess global comprehension and extrapolation beyond the text. Questions to provide analytical and evaluative responses, using incidents, events, themes, as reference points. Anyone out of two questions to be done.	(1x6=6 Marks)

CHEMISTRY (SYLLABUS)

1	Some Basic Concepts of Chemistry	14
2	Structure of Atom	14
3	Classification of Elements & Periodicity in Properties	14
4	Chemical Bonding and Molecular Structure	17
5	Redox Reactions	11

CHEMISTRY (PAPER-PATTERN)

S. No.	Type Of Questions	SECTION	MARKS OF EACH QUESTION	TOTAL QUESTIONS
1	Multiple Choice Type Questions	A	1	16
2	Very Short Answer Type Questions	B	2	5
3	Short Answer Type Questions	C	3	7
4	Case Based Questions	D	4	2
5	Long Answer Type Questions	E	5	3
	Total			

BIOLOGY (SYLLABUS)

Chapter 1	Living World	(5 Marks)
Chapter 2	Biological Classification	(7 Marks)
Chapter 3	Plant Kingdom	(7 Marks)
Chapter 4	Animal Kingdom	(8 Marks)
Chapter 5	Morphology of Plants	(6 Marks)
Chapter 6	Anatomy Of Plants	(6 Marks)
Chapter 7	Structural Organisation (Only Frog)	(6 Marks)
Chapter 8	Cell The Unit of Life	(8 Marks)
Chapter 10	Cell Cycle and Cell Division	(5 Marks)
Chapter 13	Photosynthesis in Higher Plants	(12 Marks)

BIOLOGY (PAPER-PATTERN)

Section A	MCQ and Assertion-Reason	16x1= 16
Section B	Very Short Answer Question	5x2= 10
Section C	Short Answer Questions	7x3= 21
Section D	Case Based Questions	2x4= 08
Section E	Long Answer Questions	3x5= 15
	Total	70

	PHYSICS (SYLLABUS)	
Unit 1	Physical World and Measurement	
Unit 2	Kinematics	
Unit 3	Laws of Motion	
Unit 4	Work, Energy and Power	
	PHYSICS (PAPER PATTERN)	
Section A	MCQ and Assertion-Reason	16x1= 16
Section B	Very Short Answer Question	5x2= 10
Section C	Short Answer Questions	7x3= 21
Section D	Case Based Questions	2x4= 08
Section E	Long Answer Questions	3x5= 15
	Total	70
	MATHEMATICS (SYLLABUS)	
Ch 1	Sets	
Ch 2	Relations and Functions	
Ch 3	Trigonometric Functions	
Ch 5	Complex Numbers	
Ch 6	Linear Inequalities	
Ch 7	Permutations and Combinations	
Ch 8	Binomial Theorem	
	MATHEMATICS (PAPER-PATTERN)	
	15 MCQS & 1 Assertion Reasoning-Based Question	16x1= 16
	2 Marks Questions 10	10x2= 20
	3 Marks Questions 07	07x3= 21
	4 Marks Questions - 02 (Case Studies)	02x4= 08
	5 Marks Questions - 03	03x5= 15
	APPLIED MATHEMATICS (SYLLABUS)	
Ch 1	Numbers	
Ch 2	Indices and Logarithms	
Ch 3	Quantitative Aptitude	
Ch 4	Mensuration	
Ch 5	Sets and Relation	
Ch 6	Sequences and Series	
Ch 7	Permutations and Combinations	
Ch 8	Logical Reasoning	
Ch 9	Functions	
Ch 10	Limits and Continuity	
Ch 11	Differentiations	
	APPLIED MATHEMATICS (PAPER-PATTERN)	
	15 MCQS & 1 Assertion Reasoning-Based Question	16x1= 16
	2 Marks Questions 10	10x2= 20
	3 Marks Questions 07	07x3= 21
	4 Marks Questions - 02 (Case Studies)	02x4= 08
	5 Marks Questions - 03	03x5= 15
	ECONOMICS (SYLLABUS)	
	STATISTICS	
Ch 1	Introduction	
Ch 2	Collection of Data	

Ch 3	Organisation of Data	
Ch 4	Presentation of Data	
Ch 5	Measures of Central Tendency	
	MICRO-ECONOMICS	
Ch 1	Economics And Economy	
Ch 2	Central Problems of An Economy	
Ch 3	Consumer's Equilibrium: Utility Analysis	
Ch 4	Consumer's Equilibrium: Indifference Curve Analysis	
Ch 5	Theory Of Demand	
Ch 6	Price Elasticity of Demand	
Ch 7	Production Function and Returns to a Factor	
	ECONOMICS (PAPER-PATTERN)	
	Multiple Choice Questions (MCQ)	20x1= 20
	Short Answer Questions	04x3= 12
	Short Answer Questions	06x4= 24
	Long Answer Questions	04x6= 24
	TOTAL	80
	GEOGRAPHY (SYLLABUS)	
	Fundamentals of Physical Geography	
Chapter 1	Geography As a Discipline	
Chapter 2	The Origin and Evolution of the Earth	
Chapter 3	Interior of the Earth	
Chapter 4	Distribution of oceans and continents	
Chapter 5	Geomorphic Processes	
	India Physical Environment	
Chapter 1	India- Location	
Chapter 2	Structure and Physiography	
Chapter 3	Drainage System	
	GEOGRAPHY (PAPER-PATTERN)	
i.	Question paper contains 30 questions. All questions are compulsory.	
ii.	Question paper is divided into five sections. Sections- A, B, C, D and E.	
Section A	Question Number 1 To 17 (MCQ)	17x1= 17
Section B	Question Number 18 And 19 (Source Based Questions)	2x3= 6
Section C	Question Number 20 To 23 (Short Answer Type Questions) (80 To 100 Words)	4x3= 12
Section D	Question Number 24 To 28 (Long Answer Type Questions) (120 To 150 Words)	5x5= 25
Section E	Question Number 29 And 30 (Map Based Questions)	10
	INFORMATICS PRACTICES (IP) (SYLLABUS)	
Ch1	Computer System	
Ch2	Emerging Trends	
Ch3	Overview of python	
Ch4	Working with Lists & Dictionaries	

INFORMATICS PRACTICES (IP) (PAPER PATTERN)

Section	Marks Per Question	Total No. of Questions	Total Marks
Section A	1	18	18
Section B	2	7	14
Section C	3	5	15
Section D	4	2	8
Section E	5	3	15
Total		35	70

ARTIFICIAL INTELLIGENCE (AI) (SYLLABUS)

Part A:	Unit 1: Communication Skill - III Unit 2: Self - Management - III Unit 3: ICT Skill-III Unit 4: Entrepreneurial Skill - III Unit 5: Green Skill - III
Part B:	Unit 1: Introduction to AI Unit 2: AI Application & Methodologies

ARTIFICIAL INTELLIGENCE (AI) (PAPER PATTERN)

Type of Question	Marks Per Question	Total No. of Questions	Total Marks
Very Short Answer	1	24	24
Short Answer	2	7	14
Long Answer	4	3	12
Total		34	50

FINE ARTS (SYLLABUS)

Ch 1	Introduction Of Art
Ch 2	Pre- Historic Rock Painting
Ch 3	Indus Valley Civilization
Ch 4	Gupta Period
Ch 5	Ajanta Caves

FINE ARTS (PAPER PATTERN)

Questions 8 x 1 mark	08
Questions 5 x 2 marks	10
Questions 2 x 6 marks	12
Total Marks	**30**

MUSIC (SYLLABUS)

Definitions-
Swar, Shruti, Thaat, Nada, Jati, Raga, Saptak, Laya and Tala.
Raga-
Bihag and Bheempalasi
Tala-
Teen Tala , Ektala and Chartala

	Biography- Miya Tansen and Pt. Vishnu Narayan Bhatkhande **Granth-** Natyashatra	
	MUSIC (PAPER PATTERN)	
	MCQ 8×1=8 5 Questions × 2 Marks=10 2 Questions × 6 Marks=12 Total	8×1= 08 5×2= 10 2×6 = 12 30
	PHYSICAL EDUCATION (SYLLABUS)	
Ch 1	Changing Trends and Career in Physical Education	(12 Marks)
Ch 2	Olympism	(11 Marks)
Ch 3	Yoga	(12 Marks)
Ch 4	Physical Education and Sports for CWSN	(12 Marks)
Ch 5	Physical Fitness, Health and Wellness	(11 Marks)
Ch 6	Test, Measurement and Evaluation	(12 Marks)
	PHYSICAL EDUCATION (PAPER PATTERN)	
	1 Mark Questions 2 Mark Questions 3 Marks Questions 4 Marks Questions (Case Studies). 5 Marks Questions Total Marks	1x18= 18 2x5= 10 3x5= 15 4x3= 12 5x3=15 70