

SH.S.N.SIDHESHWAR SR.SEC.PUBLIC SCHOOL SEC-9A GURUGRAM
CLASS-XII (SCIENCE)
PRE-BOARD–1 SYLLABUS (2026-27)

ENGLISH

1. Reading Skills

Reading Comprehension – Factual, Descriptive or Literary Passage

Case-Based Factual Passage

2. Writing Skills

Notice Writing

Formal and Informal Invitations and Replies

Letter to the Editor / Job Application

Article

Report

3. Literature

A. Flamingo – Prose

The Last Lesson

Lost Spring

Deep Water

The Rattrap

Indigo

Poets and Pancakes

The Interview

Going Places

B. Flamingo – Poetry

My Mother at Sixty-Six

Keeping Quiet

A Thing of Beauty

A Roadside Stand

Aunt Jennifer's Tigers

C. Vistas – Supplementary Reader

The Third Level

The Tiger King

Journey to the End of the Earth

The Enemy

SECTION A: READING SKILLS – 22 MARKS

Unseen Passage – 12 Marks

Case-Based Passage – 10 Marks

SECTION B: WRITING SKILLS – 18 MARKS

Notice Writing – 4 Marks

Invitations and Replies – 4 Marks

Letter to the Editor / Application for a Job – 5 Marks

Article / Report Writing – 5 Marks

SECTION C: LITERATURE – 40 MARKS

Poetry Extract (Flamingo) – $6 \times 1 = 6$ Marks

Prose Extract (Vistas) – $4 \times 1 = 4$ Marks

Prose Extract (Flamingo) – $6 \times 1 = 6$ Marks

SAQ (Flamingo) – $5 \times 2 = 10$ Marks SAQ(Vistas) – $2 \times 2 = 4$ Marks

LAQ (Flamingo) – 5 Marks

LAQ (Vistas) – 5 Marks

PHYSICS

Chapter-1 Electric charges & fields

Chapter-2 Electrostatics Potential & Capacitance

Chapter-3 Current Electricity

Chapter-4 Moving Charges and Magnetism

Chapter-5 Magnetism & Matter

•Chapter-6 Electromagnetic Induction

•Chapter-7 Alternating Current

•Chapter-8 Electromagnetic Waves

•Chapter-9 Ray Optics

•Chapter-10 Waves Optics

Chapter-11 Dual Nature of Matter & Radiation

Chapter-12 Atom

Chapter-13 Nuclie

Chapter-14 -Semiconductor Electronics

Chapter-1 Electric charges & fields

Chapter-2 Electrostatics Potential & Capacitance - 8-marks(chapter -1,2)

Chapter-3 Current Electricity -8marks

Chapter-4 Moving Charges and Magnetism

Chapter-5 Magnetism & Matter -9 marks(chapter -4,5)

•Chapter-6 Electromagnetic Induction •Chapter-7 Alternating Current - 8 marks(chapter -6,7)

•Chapter-8 Electromagnetic Waves- 5marks

•Chapter-9 Ray Optics marks

•Chapter-10 Waves Optics - 13marks(chapter -9,10)

Chapter-11 Dual kNature of Matter & Radiation Chapter-12 Atom Chapter-13 Nuclie -12marks (chapter-11,12,13)

Chapter-14 -Semiconductor Electronics- 7 marks

1 mark $\times$ 16. (12 MCQ+4 A/R)

2marks $\times$ 5= 10

3 marks $\times$ 7= 21

4 marks $\times$ 2=8 case based questions

5marks $\times$ 3=15

Maximum marks=70

Total number of questions=33

CHEMISTRY

1. Solutions
2. Electrochemistry
3. Coordination Compounds
4. Haloalkanes and Haloarenes
5. Alcohols, Phenols and Ethers
6. Aldehydes, Ketones and Carboxylic Acids
7. Amines
8. Biomolecules

- 1 Halo alkanes and haloarenes 9 marks
2. Alcohol phenol and ether. 9 marks
3. coordination compounds. 9 marks
4. solution. 9 marks
5. Biomolecules 9 marks
6. Electrochemistry 9marks
7. Amines. 8marks
8. Aldehyde ketone and carboxylic acid. 8 marks

1 mark $\times$ 16. (12 MCQ+4 A/R)

2marks $\times$ 5= 10

3 marks $\times$ 7= 21

4 marks $\times$ 2=8 case based questions

5marks $\times$ 3=15

Maximum marks=70

Total number of questions=33

BIOLOGY

- 1.Sexual reproduction in flowering plants
- 2.Human Reproduction
- 3.Reproductive Health
- 4.Principle of inheritance and variations
- 5.Molecular basis of inheritance
- 6.Evolution
- 7.Human health and diseases
- 8.Microbes in human welfare
- 9.Organism and population

10.Ecosystem

11.Biodiversity and conservation

1 Sexual reproduction in flowering plants- 7marks

2. Human reproduction-7marks

3 Reproductive Health-5 marks

4 Principle of inheritance and variations-8marks

5 Molecular basis of inheritance-13marks

6 Evolution-4marks

7 Human health and disease-7marks

8 Microbes in human welfare-6marks

9.Organism and Population -3 Marks

10.Ecosystem-5Marks

11.Biodiversity and conservation-5Marks

weightage×No.of Question =Marks

1×16=16(12 mcq+4A/R)

2×5=10

3×7=21

4×2=8(case based questions)

5×3=15

Maximum Marks=70

Total no.of questions =33

MATHEMATICS

Ch 1 Relation and Function. (6 marks)

Ch 2 Inverse Trigonometric Function. (2 marks)

Ch 3 Matrices. (2marks)

Ch 4 Determinant. (8 marks)

Ch. 5 Continuity and Differentiability. (8marks)

Ch. 6 Application of Derivative. (8 marks)

Ch 7 Integration (9 marks)

Ch 8. Application of Integration (5 marks)

Ch. 9 Differential Equation (5 marks)

Ch 10 Vector. (8marks)

Ch 11. Three Dimensional Geometry (6 marks)

Ch. 12 L P P (5 marks)

Ch 13. Probability (8 marks)

COMPUTER SCIENCE

1. Database management: 30 marks

2. Computer Network: 15 marks

3. List, strings, tuples, dictionary: 20 marks

4. Predefined modules-random, math, statistics : 05 marks

PHYSICAL EDUCATION

- Unit 1. Management of Sporting Events**
- Unit 2. Children and Women in Sports**
- Unit 3. Yoga as a Preventive Measure for Lifestyle Disease**
- Unit 4. Physical Education and Sports for CWSN
(Children with Special Needs-Divyang)**
- Unit 5. Sports and Nutrition**
- Unit 6. Test and Measurement in Sports**
- Unit 7. Physiology and Injuries in Sports**
- Unit 8. Biomechanics and Sports**
- Unit 9. Psychology and Sports**
- Unit 10. Training in Sports**

1 mark 18 questions

2 marks 5 questions

3 marks 5 questions

4 marks 3 questions

5 marks 3 questions

PAINTING

UNIT- I

- The Rajasthani School and Pahari School of Miniature Painting
(16th Century A.D. to 19th Century A.D.)**
- Chapter 2 – The Rajasthani School of miniature painting.**
- Chapter 3 – The Pahari School of Miniature Painting.**

UNIT – II

- The Mughal and Deccan Schools of Miniature Painting
(16th Century A.D. to 19th Century A.D.)**
- Chapter 4 – The Mughal School of Miniature Painting**
- Chapter 5- The Deccan school of miniature painting**

UNIT- III

- The Bengal School of Painting and the Modern Trends in Indian Art (about the beginning to Mid of the 20th Century)**
- Chapter 6 – Introduction to the Bengal School of Painting**
- Chapter 7 – Study of the Painting of the Bengal School**
- Chapter 8 – Contribution of Indian Artists in the struggle for National Freedom Movement**
- Chapter 9 – Evolution of the Indian National Flag**

UNIT- IV

- The Modern Trends in Indian Art**
- Chapter 10 – Modern Trends in Indian Art**
- Chapter 11 – Painting of the Contemporary (Modern) Indian Artists**
- Chapter 12 – Graphic Prints of the Contemporary (Modern) Indian Artists**

Chapter 13 – Sculpture of the Contemporary (Modern) Indian Artists

ADDITIONAL SUBJECTS

PSYCHOLOGY

Total marks 70

Ch.1 Variations in psychological attributes (13 marks)

Ch.2 self and personality (14 marks)

Ch. 3 meeting life challenges (10 marks)

Ch 4 psychological Disorders (14 marks)

Ch.5 Therapeutic approaches (10 marks)

Ch.6 Attitude and social cognition (9 marks)

DANCE KATHAK

1. Classical dances of India

2. Kathak Gharana

2. Abhinay and their 4 types.

3. Navras

4. Short Notes

5. Biography Rajendra gangani Ji.

6. Verve short questions.

7. Taal :- Dadra and Rupak

1. Very short questions

8 × 1 = 8 Marks

2. Short questions

5 × 2 = 10 Marks.

3. Long questions

2 × 6 = 12 Marks

H.M.V

Unit 1

1.1 Brief study of the following: - Alankar, Kan, Meend, Khatka, Murki, Gamak.

1.2 Brief study of the following Gram, Murchhana, Alap, Tana.

Unit 2

2.1 Historical development of Time Theory of Ragas

Unit 3

3.1 Detail study of Sangeet Ratnakar the following: Sangeet Parijat

3.2 Life sketch and Contribution of Faiyaz Khan, Bade Ghulam Ali Khan, Krishna Krishna Rao, Shankar Pandit

Unit 4

4.1 Description of Prescribed Talas along with Tala Notation with Thah, Dugun, Tigun and Chaugun Jhaptala, Rupak, Dhamar

4.2 Tuning of Tanpura

Unit 5

5.1 Critical study of Prescribed Ragas along with recognizing the Ragas from phrases of Swaras and elaborating them.

5.2 Writing in Notation the Compositions of Prescribed Ragas: Bhairav, Bageshri, Malkauns

1) 1Marker+MCQ(1×6=6)

2) Definitions(2×2=4)

3) Taal+Introduction (1×5=5)

4)Raag (1×5=5)

5)Biography (1×5=5)

6)Raag Notation with alaap taan (1×5=5)

FOOD PRODUCTION

Subject Specific Skills (50 Marks)

Unit 1. Indian Regional Cookery

Unit 2. Indian snacks

Unit 3. Indian Gravies

Unit 4. Indian Sweets

Unit 5. Presentation of Indian meals

Unit 6. Fast food

Unit 7. Introduction to Baking

Unit 8. Menu planning

Unit 9. Food costing

Unit 10. Food Safety

Employability skills (10 Marks)

Unit 1.Communication Skills

Unit 2.Self- Management Skills

Unit3.ICT Skills

Unit4.Entrepreneurial Skills

Unit 5.Green Skills

1 mark 30 questions

2 marks 6 questions

3 marks 2 questions

4 marks 3 questions