

Divine Public School, Phagwara
PT-3 Examination (2025-2026)
Grade – 11th (science)

Biology

Unit: 2 Structural Organization in Plants and Animals

Ch-5 Morphology of Flowering plants

Ch-6 Anatomy of Flowering Plants

Ch- 8 Structural Organization in Animals

Unit: 3 Cell: Structure and Function

Ch- 9 Cell: The unit of life

Ch- 10 Biomolecules

Ch- 11 Cell Cycle and Cell division

Unit: 4 Plant Physiology

Ch-14 Photosynthesis in Higher Plants

Ch- 15 Respiration in higher plants

Ch- 16 Plant Growth and Development

Chemistry

Unit - 1 some basic concepts of chemistry

Unit – 2 structure of atom

Unit – 3 Classifications of Elements and Periodicity in Properties

Unit – 4 Chemical Bonding and Molecular Structure

Unit – 5 Thermodynamics

Unit – 8 Organic Chemistry: Some basic Principles and Techniques

Physics

Unit- 1 Physical world and measurements

Unit- 2 kinematics

Unit -3 Laws of motion

Unit -4 work, power and energy

Unit -5 motion of system of particles and rigid body

Unit -6 Gravitation

Unit -7 Properties of bulk matter

Unit -8 Thermodynamics

Unit -9 Behaviors of perfect gases and kinetic theory of gases

Mathematics

Chapter-1 (Sets)

Chapter-3 (Trigonometric function)

Chapter-4 (Complex number and quadratic equations)

Chapter-5 (Linear inequalities)

Chapter-6 (Permutations and Combinations)

Chapter-7 (Binomial Theorem)

Chapter-8 (Sequences and Series)

Chapter-9 (Straight Lines)

Chapter-11 (Intro to three dimensional geometry)

Chapter-12 (Limits and Derivatives)

Chapter-13 (Statistics)

English

BOOKS :

- **Hornbill (Main Book)**
- **Snapshots (Supplementary Reader)**

Prose(Hornbill)

- Discovering Tut: The Saga Continues
- The portrait of lady
- we are not afraid to die...if we can all be together

poetry

- A photograph
- The laburnum top
- Childhood (Poem)

Snapshot

- The Address
- The Mother's Day
- The Summer of the Beautiful White Horse

Grammar and Creative Writing Skills:

- Questions on re-ordering
- transformation of sentences
- gap filling

Reading skills

Unseen Passage

- Factual/Descriptive/Literary (300-350 words)
- MCQs testing: Comprehension, Vocabulary, Inference

Case-Based Passage (8 Marks)

- Visual/Statistical input (300-400 words)
- Objective questions on data interpretation

Note-Making & Summarization (5+3 Marks)

- Passage: 200-250 words
- Note-Making: Title, Key, Format (5 Marks)
- Summary: 50 words (3 Marks)

Creative Writing :

- Speech writing
- Debate writing
- Advertisement

Physical Education

Unit - 1 Changing trends and career in physical education

Unit - 2 Olympism Value Educations

Unit - 3 Yoga

Unit - 4 Physical Education and sports for children with special needs

Unit - 5 Physical Fitness, wellness and lifestyle

Unit - 6 Test, measurement and Evaluation

Unit -7 Fundamentals of Anatomy, physiology in sports

UNIT -8 FUNDAMENTALS OF KINESIOLOGY AND BIOMECHANICS IN SPORTS

Unit -9 psychology and sports

Music

Unit-1

Brief study of the following:

Nada, Shruti, Swara, Saptak, Thaata, Jati, Laya, Tala.

Brief study of the following: Margi Sangeet, Deshi Sangeet, Raga

Unit 2

2.1 Brief History of the following: Dhrupad, khyal and Tarana

Unit-3

Brief study of Musical Elements in Natya Shastra

Life sketch and Contribution of Tansen, V.N. Bhattacharya and V.D. Paluskar

Unit-4

Description of Prescribed Talas along with Tala Notation in Thah, Dugun, Chaugun
prescribed Talas:

.Teentala

.Ektala

.Chautala

Knowledge of the Structure of tanpura

Unit-5

Critical study of Prescribed Ragas along with Recognizing Ragas from phrases of Swaras and elaborating them. Excluding Rag Jaunpuri

Writing in Notation the Compositions of Prescribed Ragas:

.Bihag

.Bhimplasi

.Bhairavi

Computer

- Data Representation
- python fundamental
- flow of control
- string manipulation
- Computer system overview
- Introduction to problem solving
- getting started with python
- Emerging trends
- Data Handling

Painting

Unit-1 Pre-Historic rock paintings and art of Indus / Sindh Sarawati Civilization (Indus valley Civilization) Buddhist, Jain and Hindu Art

Study and appreciation of following: Sculptures in Bronze and Terra cottas:

Introduction to Method of Bronze casting

- Dancing girl (Mohenjo-daro) Bronze, 10.5 x 5 x 2.5 cm. Circa 2500 B.C.(Collection: National Museum, New Delhi).

- Male Torso (Harappa) Red lime Stone, 9.2 x 5.8 x 3 cms. Circa 2500 B.C.
(Collection: National Museum, New Delhi)
- Mother Goddess (Mohenjo-daro) terracotta, 22 x 8 x 5 c Circa 2500 B.C.
(Collection: National Museum, New Delhi)

1. General Introduction and understanding of Art during

- Mauryan Period: Mirror like polish (eg. Chauri Bearer from Didar Ganj/Yakshi called Monalisa of India, Iron Pillar of Qutab Minar that has never rusted. Shunga:
- Kushana Period: evolution and mutation of Gandhara, Mathura
- Gupta Period: Amalgamation of Gandhara, Mathura into Gupta Style

2. Study and appreciation of following Sculptures.

- Lion Capital from Sarnath Circa: 3rd Century BCE Period: Mauryan Material: Polished sandstone, Collection: Sarnath Museum, U.P.
- Chauri Bearer from Didar Ganj (Yakshi) Circa 3rd Century BCE Period: Mauryan Material: Polished sandstone, Collection: Patna Museum, Bihar.
- Seated Buddha from Katra Mound, Mathura Circa 3rd Century C.E. Period: Kushan (Mathura Style) Material: Red-spotted Sandstone, Collection: Govt. Museum, Mathura

Unit- 2 Temple Sculpture and Artistic aspects of Indo-Islamic Architecture.

Overview of Temple sculpture practices in India between 6th to 13th centuries CE

- Cymbal Player (Konark Sun Temple)
- Descent of Ganga
- Nataraj Period: Circa 12th Century CE

Study and appreciation of following architecture:

- Qutub Minar, Delhi
- Gol Gumbad of Bijapur