

ARMY PUBLIC SCHOOL, PATIALA

CLASS: XI (2023-24) (SCIENCE)

HALF-YEARLY SYLLABUS

SUBJECT: ENGLISH CORE

1. Reading Comprehension
2. Note Making
3. Poster Making
4. Advertisements: Classified – Situation Vacant/ Wanted/ Sale & Purchase /To Let
5. Speech Writing
6. Literature :
Hornbill:
 1. The Portrait of a Lady (Prose)
 2. A Photograph (Poem)
 3. Discovering Tut: the Saga Continues
 4. The Laburnum Top (Poem)
 5. The Voice of the Rain (Poem)
 6. Silk Road (Prose)Snapshot:
 1. The Summer of the Beautiful White Horse (Prose)
 2. The Address (Prose)

SUBJECT: APPLIED MATHEMATICS

1. Number systems
2. Indices and Logarithms
3. Quantitative aptitude (Averages, Clock, Calendar, Time-work, Time-distance)
4. Sets
5. Relations
6. Permutations and Combinations
7. Mathematical reasoning

SUBJECT: MATHEMATICS

1. Sets
2. Relation and Functions
3. Trigonometry
4. Complex Numbers
5. Permutations and combinations
6. Linear inequalities
- 7 Binomial theorem

SUBJECT: SCIENCE

<u>Physics</u> Ch-1 units and measurement Ch-2 motion in a straight line Ch-3 motion in a plane Ch-4 laws of motion Ch-5 work energy and power	<u>Chemistry</u> Ch-1 Some basic concepts of chemistry Ch-2 Atomic structure Ch-3 Periodic classification of elements Ch-4 Chemical Bonding Ch-5 Thermodynamics	<u>Biology</u> Unit 1 Biological Classification Unit 2 Morphology And Anatomy Of Organisms Unit 3 Cell: Structure, Functions Biomolecules and Cell Division
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SUBJECT: INFORMATICS PRACTICES

Unit 1 **Introduction to computer system**

Unit 2 **Introduction to Python**

ARMY PUBLIC SCHOOL, PATIALA
CLASS: XI (2023-24) COMMERCE
HALF-YEARLY SYLLABUS

SUBJECT: ENGLISH CORE

7. Reading Comprehension
8. Note Making
9. Poster Making
10. Advertisements: Classified – Situation Vacant/ Wanted/ Sale & Purchase /To Let
11. Speech Writing
12. Literature :
Hornbill:
 7. The Portrait of a Lady (Prose)
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 4. The Address (Prose)

SUBJECT: BUSINESS STUDIES

- Chapter 1 Evolution and Fundamentals of Business
- Chapter 2 Forms of business organisations
- Chapter 3 Public, Private and Multinational Company
- Chapter 4 Business Services
- Chapter 5 Emerging modes of Business
- Chapter 6 Social Responsibility of Business and Business Ethics

SUBJECT: ACCOUNTANCY

- Unit 1 Introduction to Accounting
- Unit 2 Theory Base of Accounting
- Unit 3 Recording of Business Transactions I, II
- Unit 4 Bank Reconciliation Statement
- Unit 5 Depreciation, Provisions and Reservers

SUBJECT: ECONOMICS

PART-A ‘Statistics’

- Chapter-1 ‘Concept of Economics and Significance of Statistics in Economics’
- Chapter-2 ‘Collection of Data’
- Chapter-3 ‘Census and Sample Methods’
- Chapter-9 ‘Measures of Central Tendency-Arithmetic Mean’

PART-B ‘Micro Economics’

Chapter-1 ‘Economics and Economy’

Chapter-2 ‘Central Problems of an Economy’

Chapter-3 ‘Consumer’s Equilibrium-Utility Analysis’

Chapter- 4 ‘Consumer’s Equilibrium-Indifference Curve Analysis’

Chapter-5 ‘Theory of Demand’

Chapter-6 ‘Elasticity of Demand’

SUBJECT: INFORMATIVE PRACTICE

Unit 1 Introduction to computer system

Unit 2 Introduction to Python

ARMY PUBLIC SCHOOL, PATIALA
CLASS: XI (2023-24) (HUMANITIES)
HALF-YEARLY SYLLABUS

SUBJECT: ENGLISH CORE

13. Reading Comprehension

14. Note Making

15. Poster Making

16. Advertisements: Classified – Situation Vacant/ Wanted/ Sale & Purchase /To Let

17. Speech Writing

18. Literature :

Hornbill:

13. The Portrait of a Lady (Prose)

14. A Photograph (Poem)

15. Discovering Tut: the Saga Continues

16. The Laburnum Top (Poem)

17. The Voice of the Rain (Poem)

18. Silk Road (Prose)

Snapshot:

5. The Summer of the Beautiful White Horse (Prose)

6. The Address (Prose)

SUBJECT: HISTORY

UNIT -1

1. Writing and city life

2. An empire across three continents

UNIT -2

3. Nomadic Empires

UNIT-3

4. Three orders

SUBJECT: POLITICAL SCIENCE

Part 1 Indian Constitution At Work

Chapter 1 Constitution : Why and How

Chapter 2 Rights in the Indian Constitution

Chapter 3 Election and Representation

Chapter 4 Executive

Chapter 5 Legislature

Chapter 6 Judiciary

Chapter 7 Federalism

Chapter 9 Constitution as a Living Document

Chapter 10 The Philosophy of the Constitution

SUBJECT: GEOGRAPHY

PART-A (*Fundamentals of Physical Geography*)

UNIT -I

1. Geography As a Discipline

UNIT-II

2. The Origin and Evolution of the Earth

3. Interior of the Earth

4. Distribution of Oceans and Continents

UNIT-III

5. Geomorphic Processes

PART-B (*India Physical Environment*)

UNIT-I

1. India Location

UNIT-II

2. Structure and Physiography

SUBJECT: PSYCHOLOGY

Chapter 1 –What is Psychology?

Chapter 2 – Methods of Enquiry in Psychology.

Chapter 4 – Human Development.

Chapter 6 –Learning

SUBJECT: PHYSICAL EDUCATION

Unit 1 : Changing Trends and Career in Physical Education

Unit 2 : Olympic Value Education

Unit 3 : Yoga

Unit 4 : Physical Education and Sports for Children with Special Needs

SUBJECT: INFORMATIVE PRACTICE

Unit 1 Introduction to computer system

Unit 2 Introduction to Python

SUBJECT: FINE ARTS

Topics

1. Prehistoric Rock Paintings- Study and appreciation of the following painting: -

- (i) Wizard Dance (ii) Bhimbetka

Study and appreciation of following: Sculptures and Terra cottas:

- (i) Dancing girl (Mohenjo-Daro) ii) Male Torso (Harappa)
(iii) Mother Goddess (Mohenjo-Daro)

Study and appreciation of following Seal:

- (i) Bull (Mohenjo-Daro)
(ii) Painted earthen ware

2. Buddhist Jain and Hindu Art

3. Ajanta Caves