

SUBJECT WISE SYLLABUS OF UNIT TEST- 2 (2021-22)

ENGLISH

SECTION- A (Reading Comprehension)

1. Unseen passage (factual, descriptive or literary/ discursive or persuasive)
2. Case Based Unseen (Factual) Passage Creative

SECTION- B (Writing Skills and Grammar)

1. Notice Writing
2. Business or Official Letters(Making enquiries, registering complaints, asking for or giving information, placing orders and sending replies)
3. Speech

Grammar: 1. Determiners 2. Tenses 3. Re-ordering of Sentences {MCQs on Gap filling/ Transformation of Sentences }

SECTION- C (Literature)

Book-Hornbill:

1. The Portrait of a Lady
2. “We’re Not Afraid to Die... if We can All Be Together”
3. Discovering Tut: the Saga Continues
4. Landscape of the Soul

Poems- A Photograph, The Laburnum Top

Book-Snapshots:

1. The Summer of the Beautiful White Horse
2. The Address
3. Ranga’s Marriage

CHEMISTRY

1. Some Basic Concepts of Chemistry
2. Structure of Atom
3. Classification of Elements and Periodicity in Properties
4. Chemical Bonding and Molecular Structure
5. Redox Reactions
6. Hydrogen
7. Organic Chemistry: Some basic Principles and Techniques

MATHS

- 1) Set theory
- 2) Relation and function
- 3) Complex number
- 4) Sequence and series
- 5) Straight line
- 6) Limits
- 7) Statistics

PHYSICS

Chapter–1: Physical World

Chapter–2: Units and Measurements
Chapter–3: Motion in a Straight Line
Chapter–4: Motion in a Plane
Chapter–5: Laws of Motion
Chapter–6: Work, Energy and Power
Chapter–7: System of Particles and Rotational Motion
Chapter–8: Gravitation

ICT

Unit I: Computer Systems and Organisation

- Basic Computer Organisation
- Types of software and Utility Software, Compiler/Interpreter
- Operating system (OS): functions of operating system.
- Boolean logic
- Number system
- Encoding schemes

Unit II: Computational Thinking and Programming – 1

- Introduction to Python, Python character set, Python tokens (keyword, identifier, literal, operator, punctuator), variables,
- Knowledge of data types.
- Operators and Types of Operators
- Expressions, statement, type conversion & input/output.
- Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control
- Conditional statements
- Iterative statements: Loops
- Strings and Its Manipulation, Various String Functions.