



**P.N
NATIONAL
PUBLIC SCHOOL**

Affiliated to CBSE Delhi 10+2 (Senior secondary)

GORAKHPUR | KUSHINAGAR

**TERM-1 HALF-YEARLY EXAMINATION
2023-24
EXAM PORTION
CLASS- 11TH**

**Grammar and Creative Writing
Skills**

Grammar

1. Questions on Gap filling (Tenses, Clauses)
2. Questions on re-ordering/transformation of sentences

Literature Text Book and Supplementary Reading Text

1. **Hornbill:** English Reader published by National Council of Education Research and Training, New Delhi
 - The Portrait of a Lady (Prose)
 - A Photograph (Poem)
 - "We're Not Afraid to Die... if We Can be Together"
 - Discovering Tut: the Saga Continues
 - The Laburnum Top (Poem)
 - The Voice of the Rain (Poem)
 - Childhood (Poem)
 - The Adventure
 - Silk Road (Prose)
 - Father to Son

ENGLISH

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| | <p style="text-align: center;">2- राजस्थान की रजत बूँदे अभिव्यक्ति और माध्यम - निर्धारित सम्पूर्ण अध्याय</p> |
| BIOLOGY | <p>Chapter-1: The Living World Chapter-2: Biological Classification Chapter-3: Plant Kingdom Chapter-4: Animal Kingdom Chapter-5: Morphology of Flowering Plants Chapter-6: Anatomy of Flowering Plants Chapter-7: Structural Organisation in Animals Chapter-8: Cell-The Unit of Life</p> |
| CHEMISTRY | <ol style="list-style-type: none"> 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. Chemical Thermodynamics 6. Equilibrium 7. Redox Reactions |
| COMPUTER SCIENCE | <p>CLASS XI PORTION FOR HALFYEARLY</p> <ol style="list-style-type: none"> 1. Computer Systems and Organisation <ul style="list-style-type: none"> • Basic computer organisation: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (bit, byte, KB, MB, GB, TB, PB) |

- Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler, and interpreter), application software
- Operating System (OS): functions of the operating system, OS user interface
- Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, truth tables and De Morgan's laws, Logic circuits
- Number System: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems
- Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32)

2. Computational Thinking and Programming

- Introduction to Problem-solving: Steps for Problem-solving (Analysing the problem, developing an algorithm, coding, testing, and debugging), representation of algorithms using flowchart and pseudo-code, decomposition
- Familiarization with the basics of Python programming: Introduction to Python, Features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode, Python character set, Python tokens (keyword, identifier, literal, operator, punctuator), variables, use of comments
- Knowledge of data types: Number (integer, floating point, complex), Boolean, sequence (string, list, tuple), None, Mapping(dictionary), mutable and immutable data types.
- Operators: arithmetic operators, relational operators, logical operators, assignment operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in)
- Expressions, statement, type conversion, and input/output: precedence of operators, expression, evaluation of an expression, type-conversion (explicit and implicit conversion), accepting data as input from the console and displaying output.
- Errors- syntax errors, logical errors, and run-time errors
- Flow of Control: introduction, use of indentation, sequential flow, conditional and iterative flow
- Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number

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| <p>MATHS</p> | <p>Chapter 1: SETS</p> <p>Chapter 2: RELATION AND FUNCTION</p> <p>Chapter 3: TRIGONOMETRY</p> <p>Chapter 4: COMPLEX NUMBER</p> <p>Chapter 5: BINOMIAL THEOREM</p> <p>Chapter 6: STRAIGHT LINE</p> |
| <p>PHYSICS</p> | <p>Practical</p> <ol style="list-style-type: none"> 1.To measure diameter of a small spherical/cylindrical body using Vernier Callipers. 2.To measure the dimensions of a given regular body of known mass using a Vernier Callipers and hence find its density. 3.To measure internal diameter and depth of a given beaker/calorimeter using a Vernier Callipers and hence find its volume. 4.To measure diameter of a given wire using screw gauge. 5.To measure thickness of a given sheet using screw gauge. 6.To determine volume of an irregular lamina using screw gauge. 7.To determine radius of curvature of a given spherical surface by a spherometer. <p>Theory (Chapters)</p> <p>Chapter 1: Units and Measurements</p> <p>Chapter 2: Motion in a Straight Line</p> <p>Chapter 3: Motion in a Plane</p> <p>Chapter 4: Laws of Motion</p> <p>Chapter 5: Work, Energy, and Power</p> |
| <p>Economics</p> | <p>Micro - Introduction, consumer equilibrium demand, production function, Theory of supply</p> <p>Statistics</p> <p>Introduction, measure of central tendency and correlation</p> |

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| Accounts | <p>Nature of accounting</p> <ol style="list-style-type: none"> 2. Basic accounting terms 3. Accounting principles 4. Process and bases of accounting 5. Accounting equation 6. Double Entry system 7. Source documents of accounting 8. Journal 9. Cashbook 10. Subsidiary book 11. Trial balance and errors 12. Depreciation 13. Provision and reserves |
| Business | <ol style="list-style-type: none"> 1. Fundamental of business 2. Form of business organizations 3. Private, public, global enterprises 4. Business services 5. Emergency modes of business 6. Social responsibility of business and Business ethics 7. Source of business finance |
| Physical Edu. | Chapter- 1 to 6. |

