Heritage Convent

Uripok Bachaspati Leikai, Imphal, Manipur

MID-TERM EXAM 2024

Standard: XI **EXAM TIME: 2 HRS. (8:10 AM – 10:10 AM)** **Full Mark: 50**

STD	06-11-2024 WEDNESDAY	07-11-2024 THURSDAY	08-11-2024 FRIDAY	09-11-2024 SATURDAY	11-11-2024 Monday	12-11-2024 Tuesday
XI	MANIPURI / ALT. ENG	MATHS / HFS / TT	CHEMISTRY	ENGLISH	PHYSICS	BIOLOGY / COMPUTER SCIENCE

SYLLABUS

ENGLISH:

PROSE

Ch. 5. No Time for Fear

Ch. 7. Life Skills

POETRY

Ch. 6. La Belle Dame Sans Merci

Ch. 7. Ozymandias of Egypt

SUPPLEMENTARY READER

Ch. 10. A Scene from Abraham Lincoln

ADVANCED WRITING SKILLS

Report Writing

Amplification

Poster

Functional Grammar

ALTERNATIVE ENGLISH:

PROSE

Ch. 4. Student Mobs

Ch. 8. Drought

POETRY

Ch. 7. Lead, Kindly Light

Ch. 8. The Brook

Ch. 11. Design

Ch. 13. Silent Steps

WRITING AND GRAMMAR

Essay/Debate/Speech

Functional Grammar

MANIPURI:

PROSE

Ch. 3. Ima khullakpigee nonggangheido

Ch. 5. Sannabada manipurising

POETRY

Ch. 3. Naitom taba jatri

Ch. 5. Manipur

Ch. 7. Ereipak

WRITING

Letter writing

GRAMMAR:

Tone, affix

BIOLOGY:

Unit I. Diversity of living organisms

Ch. 2. Biological classification

TOPICS: History of biological classification; Five kingdom classification; Salient features and classification of Monera, Protista and Fungi, Plantae and Animalia into major groups; Viruses, Viroids, Prions and Lichens.

Unit II. Structural organisation in plants and animals

Ch. 6. Anatomy of flowering plants

TOPICS: Permanent tissues, simple tissues-parenchyma, complex tissues, Tissue system; anatomy of dicotyledonous and monocotyledonnous root, stem and leaf.

Ch. 7. Structural organisation in animals

TOPICS: Organ and organ systems; morphology and anatomy of frog.

Unit III. Cell- structure and function

Ch. 10. Cell cycle and cell division

TOPICS: Cell cycle, mitosis, meiosis and their significance.

Unit V. Human Physiology

Ch. 14. Breathing and exchange of gases

TOPICS: Respiratory organs in animals; Respiratory system in humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma, emphysema, occupational respiratory disorders.

CHEMISTRY:

Unit II. Sturcture of Atom

TOPICS: "Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations, Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals."

Unit III: Classification of Elements and Periodicity in Properties

TOPICS: "Significance of classification, brief history of the development of periodic table, modern periodic law and the present form of

periodic table, periodic trends in properties of elements -atomic radii, ionic radii, inert gas radii, Ionization enthalpy, electron gain enthalpy, electronegativity, valency. Nomenclature of elements with atomic number greater than 100."

Unit IX: Hyrocarbons

TOPICS: "Classification of Hydrocarbons Aliphatic Hydrocarbons:

Alkanes - Nomenclature, isomerism, conformation (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis.

Alkenes - Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation, chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markovnikov's addition and peroxide effect), ozonolysis, oxidation, mechanism of electrophilic addition.

Alkynes - Nomenclature, structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of - hydrogen, halogens, hydrogen halides and water.

Aromatic Hydrocarbons: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic substitution. Nitration, sulphonation, halogenation, Friedel Craft's alkylation and acylation, directive influence of functional group in monosubstituted benzene. Carcinogenicity and toxicity."

PHYSICS:

Unit III- Laws of motion

TOPICS: "Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; Impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces. Static and kinetic friction, laws of friction, rolling friction, lubrication.

Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on level circular road, vehicle on banked road)."

Unit IV- Work energy and power

TOPICS: "Work done by a constant force and a variable force; kinetic energy, work-energy theorem, power. Notion of potential energy, potential energy of a spring, conservative forces"

Unit VII -Bulk Properties of Matter

TOPICS: "Heat, temperature, thermal expansion; thermal expansion of solid, liquids and gases, anomalous expansion of water, specific heat capacity: Cp, Cv – calorimetry; change of state – latent heat capacity.

Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wien's displacement law, Stefan's law"

Unit VIII - Thermodynamics

TOPICS: "Thermal equilibrium and definition of temperature (zeroth law of thermodynamics).

Heat, work and internal energy. First law of thermodynamics, isothermal and adiabatic processes.

Second law of thermodynamics: reversible and irreversible processes"

MATHEMATICS:

Ch. 03. Trigonometric functions
Ch. 07. Binomial theorem
Ch. 08. Sequences and series
Ch. 09. Straight lines
Ch. 12. Limits and derivatives (upto ex. 12.1)

HFS (HOME SCIENCE):

Unit 02. Understanding oneself: adolescence
Ch. 06. Media and communication technology

Unit 03. Understanding family, community and society
Ch. 09. Relationships and interactions with 'significant others'. (family, school-peers and educators, community and society)
Ch. 10. Concerns and needs in diverse contexts. A) nutrition health and hygiene.

THANG-TA:

Ch. 02. Manipurgi natta thang ta (Whole Syllabus)
Ch. 04. Taron (Whole Syllabus)
Ch. 05. Cheibi(Whole Syllabus)
Ch. 06. Sarit sarak (Whole Syllabus)

COMPUTER SCIENCE:

Unit II. Problem solving
Ch. 4. Problem solving
Unit III. Introduction to python
Ch. 6. Flow of control
Ch. 7. Functions
Unit IV. Programming with python
Ch. 8. Strings
