TAGORE INTERNATIONAL SCHOOL
EAST OF KAILASH, NEW DELHI
END-TERM EXAMINATION SYLLABUS
XI-C
SESSION: 2019-2020

ENGLISH

HORNBILL

Prose-
1. Lesson 1 – The Portrait of a Lady
2. Lesson 2 – We're Not Afraid to Die……. If We Can All Be Together
3. Lesson 3 – Discovering Tut: The Saga Continues
4. Lesson 4 – Landscape of the Soul
5. Lesson 5 – The Ailing Planet : the Green Movement's Role
6. Lesson 6 – The Browning Version
7. Lesson 7 – The Adventure

Poems-
8. Poem: A Photograph
9. Poem : The Laburnum Top
10. Poem : The Voice of the Rain
11. Poem : Childhood
12. Poem: Father to Son

SNAPSHOTS
1. Lesson 1 – The Summer of the Beautiful White Horse
2. Lesson 2- The Address
3. Lesson 3 - Ranga's Marriage
4. Lesson 4 – Albert Einstein at School
5. Lesson 5 – Mother's Day
6. Lesson 6 – The Ghat of the Only World
7. Lesson 7 – Birth
8. Lesson 8 – The Tale of Melon City

Short Writing Task
1. Advertisements- Classified / Non Classified
2. Notice Writing
3. Poster Designing

Long Writing Task

4. Letter to Editor, School or College Authorities
5. Letter of Enquiry / Seeking Information
6. Letter- Placing order / cancellation of order
7. Letter of Complaint (Product / Service)
8. Job Application with a bio-data or resumé
9. Speech Writing
10. Article Writing
11. Report Writing – Magazine / Newspaper

Reading

- Comprehension
- Note making and Summarisation

Grammar

Review of Determiners, Modals, Tenses, Clauses, Change of Voice through

- Transformation of sentences
- Dialogue completion
- Reordering of sentences.
- Error Correction, Editing Tasks

PHYSICS

Physical World and Measurement
Kinematics
Laws of Motion
Work, Energy and Power
System of Particles and Rotational Motion
Gravitation
Properties of Bulk Matter
Oscillations and Waves

CHEMISTRY

Unit 1 : Some Basic Concepts of Chemistry
Unit 2 : Structure Of Atom
Unit 3 : Classification Of Elements And Periodicity In Properties
Unit 4 : Chemical Bonding And Molecular Structure
Unit 5 : States of Matter
Unit 7 : Equilibrium
Unit 8 : Redox Reactions
Unit 10: s- Block Elements
Unit 11: Some p block elements (Group 13 and Group14 elements)
Unit 12 : Organic Chemistry: Basic principles and techniques
Unit 13 : Hydrocarbons

MATH

Chapter 1:   Sets
Chapter 2 :   Relations and Functions
Chapter 3 : Trigonometric Functions
Chapter 4 :   Principle of Mathematical Induction
Chapter 5 :   Complex Number and Quadratic equations
Chapter 6 :   Linear Inequalities
Chapter 7 :   Permutations and Combinations
Chapter 9:   Sequences and Series
Chapter10:   Straight Lines
Chapter 11:   Conic Sections
Chapter 13:   Limits and Derivatives
Chapter 16:   Probability

ECONOMICS

Statistics:

Diagrammatic presentation
Graphic presentation
Measures of central tendency
Positional average and partition values
Measures of dispersion
Measures of correlation
Introduction to index numbers

Micro Economics:

Introduction
Consumer's equilibrium and demand
Producer behaviour and supply
Forms of market and price determination under perfect competition with simple applications

PSYCHOLOGY

Chapter 1: What is Psychology?
Chapter 2: Methods of Enquiry in Psychology
Chapter 3: The Bases of Human Behaviour
Chapter 4: Human Development
Chapter 5 :Sensory, Attentional and Perceptual Processes
Chapter 6: Learning
Chapter 7 : Human Memory
Chapter 8: Thinking
Chapter 9: Motivation and Emotion

COMPUTER SCIENCE

Unit 1: Computer Systems and Organisation

Basic computer organisation: description of a computer system and mobile system, CPU, memory, hard disk, I/O, battery.

Types of software: application, System, utility.

Memory Units: bit, byte, MB, GB, TB, and PB.

Boolean logic: OR, AND, NAND, NOR, XOR, NOT, truth tables, De Morgan's laws

Information representation: numbers in base 2, 8, 16, binary addition

Strings: ASCII, UTF8, UTF32, ISCII (Indian script code), Unicode

Basic concepts of Flowchart

Concept of Compiler & Interpreter

Running a program: Notion of an operating system, how an operating system runs a program, idea of loading, operating system as a resource manager. Concept of cloud computing, cloud (public/private), introduction to parallel
computing.

Unit 2: Computational Thinking and Programming

Basics of Computational Thinking: Decomposition, Pattern Recognition/ Data representation, Generalization/ Data Abstraction and algorithm.

Familiarization with the basics of Python programming: a simple "hello world" program, process of writing a program (Interactive & Script mode), running it, and print statements; simple data-types: integer, float, string

Features of Python, Python Character Set, Token & Identifiers, Keywords, Literals, Delimiters, operators.

Comments: (Single line & Multiline/ Continuation statements), Clarity & Simplification of expression.

Introduce the notion of a variable, and methods to manipulate it (concept of Lvalue and R-value even if not taught explicitly).

Knowledge of data types and operators: accepting input from the console, assignment statement, expressions, operators and their precedence.

Conditional statements: if, if-else, if-elif-else; simple programs: e.g.: absolute
value, sort 3 numbers, and divisibility.

Notion of iterative computation and control flow: for(range(),len()), while, flowcharts, suggested programs: interest calculation and factorials, etc.

Idea of debugging: errors and exceptions

Lists, tuples and dictionary: finding the maximum, minimum, mean; linear
search on list/tuple of numbers, and counting the frequency of elements in a list using a dictionary.

Introduce the notion of accessing elements in a collection using numbers and names.

Strings: Traversing, compare, concat, substring.

Introduction to Python modules: Importing math (sqrt, cell, floor, pow, fabs, sin, cos, tan, random (random, randint, randrange), statistics (mean, median,
mode) modules.

Unit 3: Data Management

Relational databases: Concept of a database, relations, attributes and tuples,
keys- candidate key, primary key, alternate key, foreign key; Degree and cardinality of a table.
Use SQL – DDL/ DML commands to CREATE TABLE, INSERT INTO,
UPDATE TABLE , DELETE FROM, ALTER TABLE,MODIFY TABLE, DROP
TABLE, keys, and foreign keys; to view content of a table: SELECT-FROMWHERE-ORDER BY along with
BETWEEN, IN, LIKE, (Queries only on single
table)
Aggregate functions – MIN,MAX,AVG,COUNT,SUM
Basics of NoSQL databases.

Unit 4: Society, Law and Ethics - Cyber safety

Cyber safety: safely browsing the web, identity protection, confidentiality, social networks, cyber trolls and
bullying
Appropriate usage of social networks: spread of rumours, and common social
networking sites (Twitter, LinkedIn, and Facebook) and specific usage rules.
Safely accessing web sites: adware, malware, viruses, Trojans
Safely communicating data: secure connections, eavesdropping, phishing and identity verification.

BIOLOGY

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
Chapter 9 – Biomolecules
Chapter 10 – Cell Cycle and Cell Division
Chapter 11 – Transport in Plants
Chapter 12 – Mineral Nutrition
Chapter 13 – Photosynthesis in Higher Plants
Chapter 14 – Respiration in Plants
Chapter 15 – Plant Growth and Development
Chapter 16 – Digestion and Absorption
Chapter 17 – Breathing and Exchange of Gases
Chapter 18 – Body Fluids and Circulation
Chapter 19 – Excretory Products and their Elimination
Chapter 20 – Locomotion and Movement
Chapter 21 – Neural Control and Coordination
Chapter 22- Chemical Coordination and Integration

PHYSICAL EDUCATION

UNIT -1 Changing trends and career in physical education
-Meaning and definition, Aims and objectives, Career options.

UNIT -2 Olympic value education
- Olympics, Paralympics and special Olympics, Olympic symbol, ideals, objectives, IOA & IOC.

UNIT -3 Physical fitness, wellness and lifestyle
- Meaning & importance of physical fitness, wellness & lifestyle, components of physical fitness & wellness, components of health related fitness.

UNIT -4 Physical education and sports for CWSN
- Aims and objectives of adaptive physical education, Organization promoting adaptive sports, concept of inclusion, role of various professional for children with special needs.

UNIT -5 Yoga
- Meaning and importance of yoga, elements of yoga, relaxation techniques for improving concentration.

UNIT -6 Physical education and leadership training
- Leadership qualities and role of a leader, creating leaders, types of adventure sports and safety measures to prevent sports injuries.

UNIT -7 Test measurement and evaluation
- Define test, measurement and evaluation, importance of test, measurement and evaluation in sports, somatotypes (endomorph, mesomorph and ectomorphs) measurement of health related fitness,

UNIT -8 Psychology and sports
- Definition and importance of psychology in physical education & sports, Growth and development, developmental characteristics at different stages of development, problems of Adolescence and their management.

UNIT -9 Training and doping in sports
- Sports training, warming up and limbering down, prohibited substances and their side effects, dealing with alcohol and substance abuse.

UNIT -10 Fundamentals of Anatomy, Physiology and Kinesiology in sports
- Importance of Anatomy, physiology and kinesiology, Equilibrium- dynamic and static, centre of gravity and its application in sports.