ST.THOMAS SCHOOL KIDWAI NAGAR KANPUR
CLASS XII
YEARLY SYLLABUS 2024-25

BIOLOGY

UNIT-I

CH-1 Reproduction in Organisms

CH-2 Sexual Reproduction in Flowering Plants

CH-3 Human Reproduction

CH-4 Reproductive Health

CH-5 Principles of Inheritance and Variations

CH-6 Molecular Basis of Inheritance

HALF-YEARLY

CH-7 Evolution

CH-8 Human Health and Diseases

CH-9 Strategies for Enhancement in Food Production

CH-10 Microbes in Human Welfare

CH-11 Biotechnology: Principles and Processes

+ UNIT-I

I-PRE-BOARD EXAMINATION

CH-12   Biotechnology and Its Applications

CH-13   Organisms and Populations

CH-14   Ecosystem

CH-15   Biodiversity and Its Conservation

CH-16   Environmental Issues

+UNIT-I + HALF YEARLY

II-PRE-BOARD EXAMINATION

Complete Syllabus

HINDI

UNIT I

काव्य मंजरी -जाग तुझको दूर जाना ,उद्यमी नर

गद्य संकलन - क्या निराश हुआ जाए , आउटसाइडर

आषाढ़का एक दिन -अंक एक

व्याकरण -मुहावरे ,लोकोक्तियाँ , शुद्ध वाक्य

HALF YEARLY (Whole Syllabus)

काव्य मंजरी -साखी ,बाल लीला ,एक फूल की चाह ,आ :धरती कितना देती है ,नदी के द्वीप , तुलसी के पद, अंधेरे का दीपक

जाग तुझको दूर जाना ,उद्यमी नर ,बादल को घिरते देखा है

गद्य संकलन -पुत्र -प्रेम ,गौरी ,शरणागत ,सती ,आउटसाइडर,क्या निराश हुआ जाए ?,भक्तिन

संस्कृति क्या है ?,दासी, मजबूरी

आषाढ़का एक दिन-पूरा नाटक

व्याकरण - निबंध,अपठित गद्यांश , मुहावरे ,लोकोक्तियाँ , शुद्ध वाक्य

CHEMISTRY

1st UNIT:-
Chapter 1. Solution
Chapter 6. Haloalkanes and Haloarenes

HALF-YEARLY:-
Chapter 2. Electrochemistry
Chapter 6. Haloalkanes and Haloarenes
Chapter 7. Alcohols, Phenols and Ethers
Chapter 8. Aldehydes, Ketones and Carboxylic acids
Chapter 9. Nitrogen Containing Compounds

PRELIMS:-
Full Syllabus

MATHEMATICS

UNIT 1
Chapter 2: Inverse trigonometric functions
Chapter 3: Matrices
Chapter 4: Determinants
Chapter 5 : Continuity and Differentiability

HALF YEARLY EXAMINATION
Chapter 2: Inverse trigonometric functions
Chapter 3: Matrices
Chapter 4: Determinants
Chapter 5: Continuity and Differentiability
Chapter 6: Application of derivatives
Chapter 7: Integrals
Chapter 8: Definite Integral

PRE BOARD-I & PRE BOARD-II (full course)
Chapter 1: Relations and Functions

Chapter 2: Inverse trigonometric functions
Chapter 3: Matrices
Chapter 4: Determinants
Chapter 5: Continuity and Differentiability
Chapter 6: Application of derivatives
Chapter 7: Integrals
Chapter 8: Definite Integral
Chapter 9: Differential equations
Chapter 10: Probability

(Section B)
Chapter 1: Vectors
Chapter 2: Three dimensional geometry
Chapter 3: Application of integrals

(Section C)
Chapter 1: Application of calculus in Commerce and Economics
Chapter 2: Linear regression
Chapter 3: Linear programming

PHYSICS

UNIT -I
01. Electric Charges and Electric Field
02. Gauss Theorem
03. Electric Potential
04 Capacitors and dielectric
HALF YEARLY EXAMINATION
01. Electric Charges and Electric Field
02. Gauss Theorem
03. Electric Potential
04.Capacitors and Dielectrics
05. Electric Current and ohms law
06. DC circuits and measurement
07. Moving Charges and Magnetism
08. Torque on a current carrying loop-moving coil galvanometer
09 magnetic field and earth's magnetism
10 magnetic properties of matter
11. electromagnetic Induction
12. Alternating Current
13. electromagnetic waves
14. ray optics
PRELIMS
01. Electric Charges and Electric Field
02. Gauss Theorem
03. Electric Potential
04.Capacitors and Dielectrics
05. Electric resistance and ohms law
06. DC circuits and measurement
07. Moving Charges and magnetic field
08. Torque on a current carrying loop
09. magnetic field and earth's magnetism
10. magnetic properties of matter

11. Electromagnetic Induction and Alternating Current
12. Electromagnetic Wave
13. Ray Optics and Optical Instruments
14. Dual Nature of Radiation and Matter
15. Atoms and Nuclei
16. Semiconductor Electronic
17. Wave Optics

ENGLISH LANGUAGE

UNIT 1
01. Report writing
02. Phrasal Verbs/ prepositions
03. Tenses
O4. Transformation of Sentences

HALF YEARLY EXAMINATION
01. Report writing
02. Phrasal Verbs/ prepositions
03. Tenses
04. Transformation of Sentences
05. Composition
06. Proposal Writing
07. Comprehension

PRELIMS: 1 & 2
Complete Course as prescribed by CICSE.

LITERATURE IN ENGLISH

UNIT 1
Short Stories-

1. Atithi/Guest

Poetry -
1. Telephone Conversation

Play-

Macbeth – Act 3

HALF YEARLY EXAMINATION

Short Stories-
01. Atithi/Guest
02. The Cookie Lady
03. There Will Come Soft Rains

Poetry -

01. Telephone Conversation
02. Tithonus
03. Beethoven

Play-
Macbeth (drama) – Act 3and Act 4.

PRELIMS: 1 & 2

Short Stories-
01. Atithi/Guest
02. The Cookie Lady
03. There Will Come Soft Rains
04. Indigo
05. The Medicine Bag

Poetry -
01. Telephone Conversation
02. Tithonus
03. Beethoven
04. Small Towns and the River
05. Death Be Not Proud

Play-
Macbeth (drama) – Act 3, Act 4 and Act 5.

(Complete Course of class 12 as prescribed by CICSE.)

COMPUTER SCIENCE

UNIT 1
Chapter 1: Boolean algebra
Chapter 2: Computer Hardware
Chapter 12: Concept of Inheritance

HALF YEARLY EXAMINATION
Chapter 1: Boolean algebra
Chapter 2: Computer Hardware
Chapter 3: Object and classes
Chapter 4: Primitive values types, casting, variables & expressions
Chapter 5: Statements, controls structures and scope
Chapter 6: Functions/Methods
Chapter 7: Arrays and Strings
Chapter 8: Compile and running Java programs
Chapter 9. Java classes: an OOP Perspective
Chapter 10. Running and Compiling Java Programs
Chapter 11: Recursion
Chapter 14: Simple Data Structure
Chapter 15: Recursive Data Structure (Binary Tree)
Chapter 16: Computational Complexity

PRELIMS – 1
Full Syllabus

PRELIMS – 2
full syllabus

VALUE EDUCATION

UNIT 1
Chapter 1,2 AND 3

HALF YEARLY EXAMINATION
Chapter 1,2 ,3 ,4, 5 AND 6

ACCOUNTS

UNIT 1
Ratio analysis
Issue of shares
Issue of debentures

HALF YEARLY EXAMINATION
Financial statement analysis
Comparative and common size balance sheet
Comparative and common size statement of profit and loss
Ratio analysis
Redemption of debentures
Fundamental of partnership
Calculation of goodwill
Admission of partners

UNIT 2
Retirement of partner
Dissolution of partnership firm
Cash flow statement
Final account of a companies

PRE-BOARD - I
All the topics included in first unit, second unit and half yearly (Full Course)

PRE-BOARD - II
All the topics included in first unit, second unit and half yearly (Full Course)

COMMERCE

Unit 1
Capital fixed and working
Sources of finance for a joint stock company

HALF YEARLY EXAMINATION
Business environment
Capital fixed and working
Sources of finance for a joint stock company
Banking latest trend
Management meaning nature and importance
Principles of management
Functions of Management and coordination
Planning

Organizing
Staffing

UNIT - Il
Directing
Controlling
Marketing concept and functions
Marketing mix

PRE-BOARD-I
Entire topic of first term, second term and half yearly

PRE-BOARD - II
Entire topic of first term, second term and half yearly

ECONOMICS
UNIT I:
ch-2 Demand and law of Demand
CH-4 Elasticity of Demand
CH-13 Money
HALF-YEARLY EXAMINATION:
ch-2 Demand and law of Demand
CH-3 Theory of Consumer Behaviour -Marginal Utility and Indifference Curve Analysis
CH-4 Elasticity of Demand
CH-5 Supply- Law of Supply and Price Elasticity of Supply
Ch-6 Market Mechanism: Equilibrium Price and quantity in a Competitive Market
CH-7 Laws of Returns - Returns to factor and Returns to scale
CH-8 Cost and Revenue Analysis
CH-9 Forms of Market
CH-10 Producer's equilibrium
CH-11 Determination of Equilibrium Price and output under Perfect Competition
CH-12 Theory of Income and Employment
CH-13 Money: meaning and functions
CH-14 Banks Commercial Banks and Central Banks
CH-15 Balance of Payments and Exchange Rate
CH- 18 Flow of National Income
CH-19 Aggregates of National Income
CH-20 Calculation of National Income
PRE- PRELIM EXAMS AND PRELIM EXAMS:
ch-2 Demand and law of Demand
CH-3 Theory of Consumer Behaviour -Marginal Utility and Indifference Curve Analysis
CH-4 Elasticity of Demand
CH-5 Supply- Law of Supply and Price Elasticity of Supply
Ch-6 Market Machanism: Equilibrium Price and quantity in a Competative Market
CH-7 Laws of Returns - Returns to factor and Returns to scale
CH-8 Cost and Revenue Analysis
CH-9 Forms of Market
CH-10 Producer's equilibrium
CH-11 Determination of Equilibrium Price and output under Perfect Competition
CH-12 Theory of Income and Employment
CH-13 Money: meaning and functions
CH-14 Banks Commercial Banks and Central Banks

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