GURU AMAR DASS PUBLIC SCHOOL
SYLLABUS (2024-25)
CLASS-XI

ENGLISH

Books prescribed
1. HORNBILL   **NCERT**
2. SNAPSHOTS   **NCERT**
APRIL
Hornbill
Chapter 1.   The portrait of a Lady
2.   We're not afraid to die
Poem- 1.   A photograph
Snapshots
Chapter 1.   The Summer of the Beautiful White Horse
Creative writing skills
Advertisements
Posters
Reading skills
Reading Comprehension through unseen passages
Integrated Grammar
MAY
Hornbill
Chapter 3.   Discovering Tut: the Saga continues
Poem 2.   The Laburnum Top
Poem 3.   The Voice of the Rain
Snapshots
Chapter 2.   The Address
Creative writing skills
Debate
Speech
Syllabus of Unit Test 1
Hornbill
Chapter 1.   The portrait of a Lady
Poem 1.   A Photograph
Integrated Grammar
Classified Advertisements
JULY
Hornbill
Chapter 4.   The Adventure
Snapshots
Chapter 3   Mother's Day
AUGUST
Note Making
Integrated Grammar
Revision of Term 1 Syllabus

SEPTEMBER
First Terminal Examination
OCTOBER
Hornbill
Chapter 5.   Silk Road
Poem 4.   Childhood
Snapshots
Chapter 4   Birth

NOVEMBER
Hornbill
Poem 5.   Father to Son
Snapshots
Chapter 5.   The Tale of Melon City
Note Making
Integrated Grammar
DECEMBER
Revision of Unit Test 2 Syllabus
Hornbill
Chapter 4: The Adventure
Chapter 5: Silk Road
Poem 4: Childhood
Poster Making

JANUARY
Pre Annual Examination
Annual Practicals
FEBRUARY/ MARCH
Revision of Whole Syllabus
Annual Examination

PHYSICS

April
Unit 1Units And Dimensions
Unit 2 Kinematics
May
 Unit 2 Kinematics
 Unit 3 Laws Of Motion
                        UNIT TEST I
 July
 Unit 4 Work Power And Energy
 Unit 5 Rigid Bodies And Rotational Motion
 August
 Unit 5 Rigid Bodies And Rotational Motion
 September
 Unit 6 Gravitation
                        First Terminal Examination
 October
 Unit 7 Properties Of Matter
 November
 Unit 8 Kinetic Theory Of Gases
 Unit 9 Oscillation And Waves
 December.
 Unit 9 Oscillation And Waves
                        UNIT TEST II
 JANUARY   Annual Practical Examination
 FEBRUARY   / March   Final Examination

CHEMISTRY

APRIL-
Chapter 1: Some basic concepts of chemistry
Chapter 2: Structure of Atom
MAY-
Chapter 3: Periodic classification of Elements
<div align="center">

UNIT TEST I
</div>

JULY-
Chapter 4: Chemical bonding
AUGUST-
Chapter 6: Equilibrium
SEPTEMBER-
Chapter 5: Thermodynamics
<div align="center">

First Terminal Examination
</div>

OCTOBER -
Chapter 8: Basic Principles of. Organic Chemistry
NOVEMBER-
Chapter 9: Hydrocarbons
DECEMBER-
Revision of whole syllabus
<div align="center">

UNIT TEST II
</div>

JANUARY -
Annual Practical Examination
FEBRUARY   / March   -
Final Examination

MATHS

First Term
April
Chapter 1- Sets
Chapter 2-Relations and Functions
Chapter 3-Trigonometric Functions
May
Chapter 4-Complex Numbers and Quadratic Equations
Chapter 5-Linear Inequalities
Chapter 6-Permutations and Combinations
Syllabus of Unit Test I (May)
Sets, Relations and Functions, Trigonometric Functions
July
Chapter 7-Binomial Theorem
Chapter 8-Sequence and Series
August
Chapter 14-Statistics
September- First Terminal Examination

Second Term (October-March)

October

Chapter 9-Straight Lines

Chapter 10-Conic Sections

November

Chapter 11- Introduction to Three Dimensional Geometry

Chapter 12- Limits and Derivatives

December

Chapter 15-Probability

Syllabus of Unit Test II(December)

Straight Lines, Conic Sections, Introduction to Three Dimensional Geometry

January

Revision

February

Annual Examination

Syllabus of Annual Examination

All Chapters (First Term + Second Term)

BIOLOGY

APRIL
Unit I- Diversity in the living world.
Chapter 1-The Living World
Chapter 2-Biological Classification
Chapter 3-Plant kingdom

MAY
Chapter 4-Animal Kingdom
Unit II-Structural organisation in Animals & Plants
Chapter 5-Miophology of Flowering Plants

Unit Test 1
Chapter 1-The Living World
Chapter 2-Biological Classification
Chapter 3-Plant Kingdom
Chapter 4-Animal Kingdom

JULY
Chapter 6-Anatomy of Flowering Plants
Chapter 7-Structural organisation in Animals
UNIT III- Cell structure and function
Chapter 8-cell the fundamental unit of life
Chapter 9-Biomolecules

AUGUST
Chapter 10-Cell Cycle and Cell Division
UNIT IV Plant physiology
Chapter 11-Photosynthesis in plants
Chapter 12-Respiration in plants

SEPTEMBER
First Term Examination
Chapter 1 to 12

OCTOBER
Chapter 13- Plant growth & Development
UNIT V Human physiology
Chapter 14- Breathing & Exchange of gases

Chapter 15-Body Fluids & Circulations

NOVEMBER
Chapter 16-Excretory products & their elimenation
Chapter 17-locomotion & Movements
Chapter 18-Neural Control & Co-ordination

DECEMBER
Chapter 19-Chemical co-ordination & Integration

Unit Test 2
Chapter 13 Plant growth & development
Chapter 14 Breathing & Exchange of Gases
Chapter 15-Body Fluids & Circulations
Chapter 16-Excretory products & their elimination
Chapter 17-locomotion & Movements

JANUARY- Annual practical examination

FEBRUARY/MARCH- Annual Examinations

ACCOUNTANCY

BOOKS PRESCIBED:
1. Juneja Chawla (Kalyani publications)
2. NCERT

APRIL:
1. Introduction to Accounting
2. Theory based of Accounting
3. Journal
4. Ledger

MAY:
1. Other subsidiary book
2. Cash book
3. Trial Balance

Unit test 1

JULY:
1. Gst
2. Depreciation
3. Accounting Equation

AUGUST:
1. Rectification of Error
2. Provision and Reserves
3. Bank Reconciliation Statement (B.R.S)

SEPTEMBER:
Revision
First Term Examination

OCTOBER:
1. Financial Statement without Adjustment
2. Financial Statement with Adjustment

NOVEMBER:
1. Accounts from Incomplete Records

DECEMBER
Unit Test II and Revision

JANUARY: Annual Practical Examination

FEBRUARY: Final Examination

BUSINESS STUDIES

BOOKS PRESCRIBED:

1. R.K SINGLA BOOK

2. NCERT

APRIL:

Nature and Purpose of Business

Forms of Business Organisation

MAY:

Unit Test I

JULY:

Public ,Private and Global Enterprises

Business Services

AUGUST:

Emerging Modes of Business

Social Responsibility of Business and Business Ethics

SEPTEMBER

 Revision and First Term Examination

OCTOBER:

Sources of Business Finance

Small Business and Enterprises

NOVEMBER:

Internal Trade

International Business

DECEMBER:

Unit Test II and Revision

JANUARY:

Annual Practical Examination

FEBRUARY:

Final Examination

ECONOMICS

Part A: Statistics for Economics

In this course, the learners are expected to acquire skills in collection, organisation and presentation of quantitative and qualitative information pertaining to various simple economic aspects systematically. It also intends to provide some basic statistical tools to analyse, and interpret any economic information and draw appropriate inferences. In this process, the learners are also expected to understand the behaviour of various economic data.

Unit 1: Introduction

What is Economics?
Meaning, scope, functions and importance of statistics in Economics

Unit 2: Collection, Organisation and Presentation of data

Collection of data - sources of data - primary and secondary; how basic data is collected with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation.

Organisation of Data: Meaning and types of variables; Frequency Distribution.
Presentation of Data: Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph).

Unit 3: Statistical Tools and Interpretation

For all the numerical problems and solutions, the appropriate economic interpretation may be attempted. This means, the students need to solve the problems and provide interpretation for the results derived.

Measures of Central Tendency- Arithmetic mean, Median and Mode

Correlation – meaning and properties, scatter diagram; measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation (Non-Repeated Ranks and Repeated Ranks).

Introduction to Index Numbers - meaning, types - Wholesale Price Index, Consumer Price Index and index of industrial production, uses of index numbers; Inflation and Index Numbers, Simple Aggregative Method.

Part B: Introductory Microeconomics

Unit 4: Introduction

Meaning of microeconomics and macroeconomics; positive and normative economics

What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of Production Possibility Frontier and Opportunity Cost.

Unit 5: Consumer's Equilibrium and Demand

Consumer's equilibrium - meaning of Utility, Marginal Utility, Law of Diminishing Marginal Utility, conditions of consumer's equilibrium using marginal utility analysis.

Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium.

Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method and total expenditure method.

Unit 6: Producer Behaviour and Supply

Meaning of Production Function – Short-Run and Long-Run

Total Product, Average Product and Marginal Product.

Returns to a Factor

Cost – Short run costs - Total Cost, Total Fixed Cost, Total Variable Cost; Average Cost; Average Fixed Cost, Average Variable Cost and Marginal Cost - meaning and their relationships.

Revenue – Total Revenue, Average Revenue and Marginal Revenue - meaning and their relationship.

Producer's Equilibrium - meaning and its conditions in terms of Marginal Revenue-Marginal Cost.

Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply - percentage-change method.

Unit 7: Perfect Competition - Price Determination and simple applications.

Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. (Short Run Only)

Simple Applications of Demand and Supply: Price ceiling, Price floor.

Part C: Project in Economics

Guidelines as given in Class XII curriculum

APPLIED MATHEMATICS

April
Chapter 1) Numbers
Chapter 2) Indices and Logarithms
Chapter 3) Quantitative Aptitude
May
Chapter 5) Sets and Relations
Chapter 6) Sequence and Series
Chapter 7) Permutations and Combinations

Syllabus of Unit Test I(May)

Chapter 1) Numbers
Chapter 2) Indices and Logarithms
Chapter 3) Quantitative Aptitude

July
Chapter 9) Functions
Chapter 10) Limits and Continuity
Chapter11) Differentiation

August
Chapter 14) Compound Interest and Annuity
September- First Terminal Examination

Second Term (October to March)

October
Chapter 12- Probability
Chapter 15) Taxation
Chapter 16) Utility Bills

November
Chapter 17) Straight Line

December
Chalpter13) Descriptive Statistics
Chapter 4) Mensuration
Chapter 18- Circle and Parabola

Syllabus of Unit Test II(December)
Chapter 12- Probability
Chapter 15- Taxation
Chapter 16- Utility Bills

January
Revision

February
Annual Examination

Syllabus of Annual Examination
All chapters of (First Term + Second Term)

POLITICAL SCIENCE

PART A – INDIAN CONSTITUTION AT WORK
PART B Political theory

April

1. Constitution: Why and How?   (Part -A)
2. Rights in the Indian Constitution (Part -A)
3. PoliticalTheory:AnIntroduction(Part -B)

May

4. Election and Representation   (Part-A)
5. Executive (Part -A)
6. Freedom (Part -B)

July

5. Legislature(Part-A)
6. Equality(Part-B)
7. Social Justice(Part-B)

August

8. Judiciary(Part-A)
9. Federalism(Part-A)
10. Rights (Part -B)

September -Ist Term Exam

October

8. Local Governments (Part-A)
9. Constitution as a Living Document (Part-A)
10. Citizenship (Part -B)
11. Nationalism (Part -B)

November

12. The philosophy of the constitution (Part-A)
13. Secularism (Part -B)
14. Peace (Part-B)
15. Development (Part-B)

December -Unit test II and Revision
January Annual Practical Examination
February Final Exams

GEOGRAPHY

April
Book 1
1. India - Location
2. structure and Physiography.
3. Drainage system.

May
4. Climate
5. Natural vegetation
6. Natural Hazards and Disasters.

July-
Book 2
1. Geography as a Discipline.
2. The Origin and Evolution of the Earth.
3. Interior of the earth.

August
4. Distibution of seas and Oceans.
5 Geomorphic processes
6. Landfeems and their Evolution

September:
7. Composition and structure of atmosphere.
8. Solar radiation, Heat Balance.
9. Atmospheric cinculation and Weather system

October:
10. Water in the atmosphere.
11 world climate (To be assessed through internal assessment)
12. Water

November:
13. Movements of Ocean Water14. Biodiversity and Conservation.
Practical Work:
1. Introduction to Maps.
2. Map scale.
3. Latitude, Longitude and Time.
4. Topo maps

December: Revision

January: Revision

Feb : Revision

March: Final Exam.

HISTORY

Books Recommended
Themes in world History
First Term-April to September

April
1.   Writing and city life
2.   An Empire across three Continent

May
1.   Nomadic Empire
2.   Three orders

Syllabus for first Unit Test
Chapter 1 &2

July
4. Three orders (to be continued)

August- Revision

September-Exam
Syllabus-1,2,3,4
Second Term -October to February

October-
4. Changing Cultural Traditions
5. Displacing Indegenious people

November
4. The path to Modernization

December -Second unit Test
Chapter : 4&5

January-The Path to Modernization (to be continued)
Revision

February-March
Final Exam- Whole syllabus

COMPUTER SCIENCE

April
Chapter 1: Computer System Organization
Chapter 2: Data Representation

May
Chapter 3: Computational Thinking and Getting Started with Python
Chapter 4: Python Programming Fundamentals

July
Chapter 5: Conditional and Looping Constructs
Chapter 6: Strings in Python
Chapter 7: Lists in Python

August
Chapter 8: Tuples and Dictionary
Chapter 9: Introduction to Python Modules

September
First Terminal Examination

October
Chapter 10: Society, Law and Ethics
Chapter 11: Cyber Safety

November
Practicals and Revision

December
Practicals and Revision

January
Revision and Practicals

FEBRUARY/MARCH
Annual examination

PHYSICAL EDUCATION

April
Unit I: Changing Trends And Career In Physical Education

May
Unit 2: Olympism Value Education
Unit 3: Yoga
Unit Test-I
Unit: 1, 2, 3

July
Unit 4: Physical Education And Sports For Children With Special Needs

August
Unit 5: Physical Fitness, Health And Wellness
Unit 6: Test, Measurement And Evaluation

September
First Terminal Examination
Unit : 1, 2, 3, 4, 5, 6

October
Unit 7: Fundamentals Of Anatomy, Physiology In Sports
Unit 8: Fundamentals Of Kinesiology And Biomechanics In Sports

November
Unit 9: Psychology And Sports
Unit 10: Training And Doping In Sports

December
Revision
Unit Test-II
Unit: 7, 8, 9, 10

January
Revision

February/March
Annual Examination

PUNJABI

ਭਾਸ਼ਾ

ਅਡਵਾਂਸ ਪੜ੍ਹਨ ਕੌਸ਼ਲ

(1) ਜਾਣਕਾਰੀ ਭਰਪੂਰ ਇੱਕ ਅਣਡਿੱਠਾ ਪੈਰਾ ਤੇ ਉਸ ਨਾਲ ਸੰਬੰਧਿਤ 8 ਬਹੁ-ਵਿਕਲਪੀ ਪ੍ਰਸ਼ਨ

ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਲਿਖਣ-ਕੌਸ਼ਲ

ਇਸ ਵਿੱਚ ਵੱਖ-ਵੱਖ ਪ੍ਰਸ਼ਨ ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਪੁੱਛੇ ਜਾਣਗੇ

(2) ਅਖ਼ਬਾਰਾਂ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਪੱਤਰ (**ਚੋਣ ਆਧਾਰਿਤ**)

(3) ਸਮਾਜਿਕ, ਸੱਭਿਆਚਾਰਕ ਅਤੇ ਮਨੋਰੰਜਨ ਵਿਸ਼ੇ ਸੰਬੰਧੀ 200-225 ਸ਼ਬਦਾਂ 'ਚ ਲੇਖ

   (**ਚੋਣ ਆਧਾਰਿਤ**)

ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ ਅਤੇ ਵਿਆਕਰਨ :-

(ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ 11 ਪਾਠ-ਪੁਸਤਕ ਵਿੱਚ ਦਰਜ ਸ਼ਬਦਾਂ/ਵਾਕਾਂ 'ਤੇ ਆਧਾਰਿਤ)

(4) ਦਫ਼ਤਰੀ ਸ਼ਬਦਾਵਲੀ (ਅਤਿ ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ) (ਚੋਣ ਆਧਾਰਿਤ)

(5) ਵੱਖ-ਵੱਖ ਵਿਸ਼ਿਆਂ ਨਾਲ ਸੰਬੰਧਿਤ ਸ਼ਬਦਾਵਲੀ (ਅਤਿ ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ) (ਚੋਣ ਆਧਾਰਿਤ)

(6) ਬੈਂਕ, ਰੇਲਵੇ, ਡਾਕ, ਬੀਮਾ-ਸੇਵਾਵਾਂ ਤੇ ਕੰਪਿਊਟਰ ਨਾਲ ਸੰਬੰਧਿਤ ਵਾਕ

(ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ) (ਚੋਣ ਆਧਾਰਿਤ)

(7) ਮੁਹਾਵਰੇ (ਅਰਥ ਸਪੱਸ਼ਟ ਕਰਦੇ ਹੋਏ ਵਾਕ ਬਣਾਉਣਾ) (ਚੋਣ ਆਧਾਰਿਤ)

(ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ 11 ਪਾਠ-ਪੁਸਤਕ ਵਿੱਚ ਦਰਜ ਮੁਹਾਵਰਿਆਂ 'ਤੇ ਆਧਾਰਿਤ)

(8) ਇਸ਼ਤਿਹਾਰ/ਸੱਦਾ-ਪੱਤਰ (ਚੋਣ ਆਧਾਰਿਤ) (50 ਸ਼ਬਦਾਂ ਵਿੱਚ)

ਪੰਜਾਬੀ ਲੋਕ-ਸਾਹਿਤ (ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ 11 ਪਾਠ-ਪੁਸਤਕ 'ਤੇ ਆਧਾਰਿਤ)

(9) ਲੋਕ-ਗੀਤਾਂ (ਸੁਹਾਗ, ਘੋੜੀਆਂ, ਸਿੱਠਣੀਆਂ, ਟੱਪਾ) ਵਿੱਚੋਂ ਚੋਣਵੀਆਂ ਸਤਰਾਂ 'ਤੇ ਆਧਾਰਿਤ

ਬਹੁ-ਵਿਕਲਪੀ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ (ਚੋਣ ਆਧਾਰਿਤ)

(10) ਲੋਕ-ਗੀਤਾਂ (ਬੋਲੀਆਂ, ਢੋਲਾ, ਮਾਹੀਆ, ਬੁਝਾਰਤਾਂ) ਵਿੱਚੋਂ ਚੋਣਵੀਆਂ ਸਤਰਾਂ 'ਤੇ ਆਧਾਰਿਤ

ਬਹੁ-ਵਿਕਲਪੀ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ (ਚੋਣ ਆਧਾਰਿਤ)

(11) ਲੋਕ-ਗੀਤਾਂ 'ਤੇ 40-50 ਸ਼ਬਦਾਂ ਵਿੱਚ ਸੰਖੇਪ ਉੱਤਰ ਵਾਲੇ ਪ੍ਰਸ਼ਨ (ਚੋਣ ਆਧਾਰਿਤ)

(12) ਦੰਤ-ਕਥਾਵਾਂ ਅਤੇ ਪ੍ਰੀਤ ਕਥਾਵਾਂ 'ਤੇ 25-30 ਸ਼ਬਦਾਂ ਵਿੱਚ ਛੋਟੇ ਉੱਤਰ ਵਾਲੇ ਪ੍ਰਸ਼ਨ

(ਚੋਣ ਆਧਾਰਿਤ)

ਨਿਰਧਾਰਿਤ ਪਾਠ-ਪੁਸਤਕ : **ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ 11** (ਪੰਜਾਬ ਸਕੂਲ ਸਿੱਖਿਆ ਬੋਰਡ)