

Economics (030) - 2024-25

Class : XII

Term I

Macro Economics :

- April 1: National Income and Related Aggregates.**
1. Flow of Income
 2. Basic Circular Concepts of Macroeconomics
 3. National Income and Related Aggregates
 4. Measurement of National Income
- May Unit 2: Money And Banking.**
5. Money
 6. Banking: Commercial Banks and The Central Bank
- July Unit 3: Determination of Income And Employment**
7. Aggregate Demand and Related Concepts
 8. Income Determination and Multiplier
 9. Excess Demand and Deficient Demand

Indian Economic Development

- August Unit 4: Development Experience (1947-90) And Economic Reforms Since 1991**
1. Indian Economy on the Eve of Independence
 2. Indian Economy (1950-1990)
 3. Liberalisation, Privatisation and Globalisation : An Appraisal
- Sept. Unit 5: Current Challenges Facing Indian Economy**
4. Human Capital Formation
 5. Rural Development
 6. Employment: Growth, Informalisation and other issues.

Term II

MacroEconomics :

- October. Unit 4 : Government Budget And The Economy**
1. Government Budget and the Economy

- October. Unit 5: Balance of Payments**
2. Foreign Exchange Rate

3. Balance of Payments

Indian Economic Development

- November Unit 5 : Current Challenges Facing Indian Economy**
- Environment and Sustainable Development
- Unit 6 : Development Experience of India: A Comparison with Neighbours**
- Experiences of India and its Neighbours

CHEMISTRY (043)

SYLLABUS

CLASS XII (2024- 25)

TERM 1

1. Solutions
2. Electrochemistry
3. Chemical kinetics
4. Haloalkanes and haloarenes
5. Alcohols, phenols and ethers
6. Aldehydes, ketones and carboxylic acids
7. Amines

TERM 2

1. d- and f- block elements
2. Coordination compounds
3. Biomolecules

SYLLABUS 2024-25

BIOLOGY

CLASS - 12

TERM - 1

Unit-VI Reproduction

Chapter-2: Sexual Reproduction in Flowering Plants

Flower structure; development of male and female gametophytes; pollination - types, agencies and examples; out breeding devices; pollen-pistil interaction; double fertilization; post fertilization events - development of endosperm and embryo, development of seed and formation of fruit; special modes- apomixis, parthenocarpy, polyembryony; Significance of seed dispersal and fruit formation.

Chapter-3: Human Reproduction

Male and female reproductive systems; microscopic anatomy of testis and ovary; gametogenesis -spermatogenesis and oogenesis; menstrual cycle; fertilisation, embryo development upto blastocyst formation, implantation; pregnancy and placenta formation(elementary idea); parturition (elementary idea); lactation (elementary idea).

Chapter-4: Reproductive Health

Need for reproductive health and prevention of Sexually Transmitted Diseases (STDs); birthcontrol - need and methods, contraception and medical termination of pregnancy (MTP);amniocentesis; infertility and assisted reproductive technologies - IVF, ZIFT, GIFT

Unit-VII Genetics and Evolution

Chapter-5: Principles of Inheritance and Variation

Heredity and variation: Mendelian inheritance; deviations from Mendelism – incomplete dominance, co-dominance, multiple alleles and inheritance of blood groups, pleiotropy; elementary idea of polygenic inheritance; chromosome theory of inheritance; chromosomes and genes; Sex determination - in humans, birds and honey bee; linkage and crossing over; sex linked inheritance - haemophilia, colour blindness; Mendelian disorders in humans -thalassemia; chromosomal disorders in humans; Down's syndrome, Turner's and Klinefelter's syndrome

Chapter-6: Molecular Basis of Inheritance

Search for genetic material and DNA as genetic material; Structure of DNA and RNA; DNA packaging; DNA replication; Central Dogma; transcription, genetic code, translation; gene expression and regulation - lac operon; Genome, Human and rice genome projects; DNA fingerprinting.

Chapter-7: Evolution

Origin of life; biological evolution and evidences for biological evolution (paleontology, comparative anatomy, embryology and molecular evidences); Darwin's contribution, modern synthetic theory of evolution; mechanism of evolution - variation (mutation and recombination) and natural selection with examples, types of natural selection; Gene flow and genetic drift; Hardy- Weinberg's principle; adaptive radiation; human evolution.

Unit-VIII: Biology and Human Welfare

Chapter-8: Human Health and Diseases

Pathogens; parasites causing human diseases (malaria, dengue, chikungunya, filariasis, ascariasis, typhoid, pneumonia, common cold, amoebiasis, ring worm) and their control; Basic concepts of immunology - vaccines; cancer, HIV and AIDS; Adolescence - drug and alcohol abuse.

Chapter-10: Microbes in Human Welfare

Microbes in food processing, industrial production, sewage treatment, energy generation and microbes as bio-control agents and bio-fertilizers. Antibiotics; production and judicious use.

TERM - 2

Unit-IX Biotechnology and its Applications

Chapter-11: Biotechnology - Principles and Processes

Genetic Engineering (Recombinant DNA Technology).

Chapter-12: Biotechnology and its Applications

Application of biotechnology in health and agriculture: Human insulin and vaccine production, stem cell technology, gene therapy; genetically modified organisms - Bt crops; transgenic animals; biosafety issues, biopiracy and patents.

Unit-X Ecology and Environment

Chapter-13: Organisms and Populations

Population interactions - mutualism, competition, predation, parasitism; population attributes - growth, birth rate and death rate, age distribution. (Topics excluded: Organism and its Environment, Major Abiotic Factors, Responses to Abiotic Factors, Adaptations)

Chapter-14: Ecosystem

Ecosystems: Patterns, components; productivity and decomposition; energy flow; pyramids of number, biomass, energy (Topics excluded: Ecological Succession and Nutrient Cycles).

Chapter-15: Biodiversity and its Conservation

Biodiversity-Concept, patterns, importance; loss of biodiversity; biodiversity conservation; hotspots, endangered organisms, extinction, Red Data Book, Sacred Groves, biosphere reserves, national parks, wildlife, sanctuaries and Ramsar sites.

BUSINESS STUDIES (Code no. 054)

CLASS XII

SYLLABUS 2024-25

Theory: 80 marks

Project: 20 marks

TERM 1

Units	
Part A	Principles and Functions of Management
1.	Nature and Significance of Management
2.	Principles of Management
3.	Business Environment
4.	Planning
5.	Organizing
6.	Staffing
7.	Directing

TERM 2

Units	
Part B	Business Finance and Marketing
8.	Controlling
9.	Financial Management
10.	Financial Markets
11.	Marketing Management
12.	Consumer Protection

Part C - PROJECT WORK

SyllabusSession-2024-25
Sub: Accountancy Class: XII

TERM-I (APRIL to SEPTEMBER)

PART A: Accounting for Partnership Firms & Companies

1. Accounting for Partnership: Basic Concepts
2. Reconstitution of a Partnership Firm-Admission of a Partner
3. Reconstitution of a Partnership Firm - Retirement/Death of a Partners
4. Dissolution of Partnership Firm

PART B: Company Accounts and Analysis of Financial Statements

1. Accounting for Share Capital
2. Issue of Debentures

TERM- II (OCTOBER to DECEMBER)

PART B: Company Accounts and Analysis of Financial Statements

3. Financial Statements of a Company
4. Analysis of Financial Statements
5. Accounting Ratios
6. Cash Flow Statements
7. Project Work

P A -1
CLASS-XII
SUB- YOGA
SYLLABUS

UNIT -1

Introduction to yoga and yogic practices-II

Communication skills-IV

SHRIKANT YADAV

03/05/2024

SYLLABUS
CLASS - XII (2024-2025)
SUB - PHYSICS

TERM - 1
(APRIL - SEPTEMBER)

- CHAPTER 1 : ELECTRIC CHARGES AND FIELDS- April
CHAPTER 2 : ELECTRIC POTENTIAL AND CAPACITANCE- April
CHAPTER 3 : CURRENT ELECTRICITY- May
CHAPTER 4 : MOVING CHARGES AND MAGNETISM- July
CHAPTER 5 : MAGNETISM AND MATTER- July
CHAPTER 6 : ELECTROMAGNETIC INDUCTION- July
CHAPTER 7 : ALTERING CURRENT- August
CHAPTER 8 : ELECTROMAGNETIC WAVES- August
CHAPTER 9 : RAY OPTICS AND OPTICAL INSTRUMENT- September

SEPTEMBER : REVISION + 1ST TERM EXAM

TERM - 2
(OCTOBER - DECEMBER)

- CHAPTER 10 : WAVE OPTICS- October
CHAPTER 11 : DUAL NATURE OF RADIATION AND MATTER- October
CHAPTER 12 : ATOMS- November
CHAPTER 13 : NUCLEI- November
CHAPTER 14 : SEMICONDUCTOR- November
ELECTRONICS : MATERIALS, DEVICES AND SIMPLE CIRCUIT

DECEMBER : REVISION + 1ST PRE BOARD EXAM

JANUARY : 2ND PRE BOARD EXAM

NOTE :-

- CHAPTER 1,2,3 (16 MARKS)
CHAPTER 4,5,6,7 (17 MARKS)
CHAPTER 8,9,10 (18 MARKS)
CHAPTER 11,12,13 (12 MARKS)
CHAPTER 14 (7 MARKS)
TOTAL MARKS : 70

वार्षिक पाठ्यक्रम (2024 – 25)
हिंदी कोर्स ए कक्षा-12

टिप्पणी - 1

काव्य खंड

आत्मपरिचय एक गीत

पतंग

कविता के बहाने बात सीधी थी पर

कैमरे में बंद अपाहिज

उषा

बादल राग

गद्य खंड

भक्तिन

बाजार दर्शन

काले

पहलवान की ढोलक

वितान

सिल्वर वेडिंग

जूझ

व्याकरण अपठित पद्यांश गद्यांश रचनात्मक लेख साहित्य की विविध विधाएं

अभिव्यक्ति और माध्यम

पाठ 3,4,5 पर आधारित बहुविकल्पीय प्रश्न

वर्णनात्मक प्रश्न

पाठ

3, 4, 5, 11, 12 तथा 13 पर आधारित

दिए गए अप्रत्याशित विषयों में से किसी एक विषय पर लगभग 120 शब्दों में

रचनात्मक लेखन

विभिन्न माध्यमों के लिए लेखन
पत्रकार ई लेखन के विभिन्न रूप और लेखन प्रक्रिया
विशेष लेखन स्वरूप एवं प्रकार

टर्म - 2

काव्य खंड

कवितावली लक्ष्मण मूर्छा और राम का विलाप

रूबाइयाँ

छोटा मेरा खेत बगुलो के पंख

गद्य खंड

शिरीष के फूल श्रम विभाजन और जाति प्रथा मेरी कल्पना का आदर्श समाज

वितान

अतीत में दबे पांव

अभिव्यक्ति और माध्यम

कहानी का नाट्य रूपांतरण रेडियो नाटक

अप्रत्याशित विषय पर लेखन लगभग 40 शब्दों में

पत्रकारिता तथा जनसंचार माध्यमों के लिए लेखन पर आधारित तीन प्रश्नों में से
2 प्रश्नों के उत्तर लगभग 60 शब्दों में

कैसे करें कहानी का नाट्य रूपांतरण रेडियो नाटक बनाने की विधि अप्रत्याशित
विषयों पर लेखन

Syllabus 2024-2025
English Core (301)
Class XII

Term 1	Term 2
<p><u>Flamingo:</u> Prose</p> <ol style="list-style-type: none"> 1) The Last Lesson 2) Lost Spring 3) Deep Water 4) The Rattrap 5) The Interview <p><u>Flamingo:</u> Poetry</p> <ol style="list-style-type: none"> 1) My Mother at Sixty-six 2) Keeping Quiet 3) A Thing of Beauty 4) Aunt Jennifer's Tigers <p><u>Vistas:</u></p> <ol style="list-style-type: none"> 1) The Third Level 2) The Tiger King 3) Journey to the End of the Earth <p><u>Writing Section:</u></p> <ol style="list-style-type: none"> 1) Notice 2) Letter to Editor 3) Job Application 4) Article 5) Report 	<p><u>Flamingo:</u> Prose</p> <ol style="list-style-type: none"> 1) Indigo 2) Poets and Pancakes 3) Going Places <p><u>Flamingo:</u> Poetry</p> <ol style="list-style-type: none"> 1) A Roadside Stand <p><u>Vistas:</u></p> <ol style="list-style-type: none"> 1) The Enemy 2) On the Face of it 3) Memories of Childhood <p><u>Writing Section:</u></p> <ol style="list-style-type: none"> 1) Invitation and its reply

Final exam will include full syllabus

SYLLABUS 2024-25
MATHEMATICS
Class -XII

Term 1

1. Relations and Functions
2. Inverse Trigonometric functions
3. Matrices
4. Determinants
5. Continuity and Differentiability
6. Differentiation and its application
7. Linear programming
8. Vectors

Term -2

1. Three Dimensional geometry
2. Integrals
3. Application of Integrals
4. Differentiation equation
5. Probability