

## **SUBJECT: ENGLISH**

### **Flamingo-**

- 1. The Last lesson**
- 2. Lost spring**
- 3. Deep water**
- 4. Rat trap**
- 5. Indigo**
- 6. Poets and pancakes**

### **Poetry-**

- 1. My mother at sixty six**
- 2. Keeping quite**
- 3. A Thing of beauty**
- 4. A roadside stand**

### **Vistas –**

- 1. The third level**
- 2. The tiger king**
- 3. Journey to the end of the earth**
- 4. On the face of it**
- 5. The enemy**

### **Writing section-**

- 1. Notice**
- 2. Letter writing**

3. Formal/Informal invitation and replies
4. Article writing

## **Subject: Economics**

### **Indian Economic Development-**

1. Indian Economy on the eve of independence
2. Indian Economy (1947-1990)
3. Economic Reforms since 1991
4. Human Capital Formation
5. Rural Development
6. Employment and Unemployment
7. Environment and Sustainable Development

### **Introductory Macroeconomics-**

1. Introduction and basic concept of macroeconomics
  2. National income and related Aggregates
- Methods of calculating National Income**

**3. Money and Banking**

**4. Determination of Income and Employment**

**5. Govt. Budget**

## **SUBJECT: ACCOUNTANCY**

### **Part A: Accounting for Partnership Firms-**

- 1. Fundamentals of Partnership Firms**
- 2. Change in the Profit -Sharing Ratio**
- 3. Admission of a partner**
- 4. Retirement of a partner**
- 5. Death of a partner**
- 6. Dissolution of a partnership firm**

### **Accounting for Companies-**

- 1. Accounting for Share Capital**
- 2. Accounting for Debentures**

## **SUBJECT: BUSINESS STUDIES**

- 1. Nature and Significance of Management**
- 2. Principles of Management**
- 3. Business Environment**
- 4. Planning**
- 5. Organizing**
- 6. Staffing**
- 7. Directing**
- 8. Controlling**

## **SUBJECT: BANKING**

**Employability-**

**Unit 1: Communication Skills**

**Unit 2 : Self Management Skills**

**Subject skills-**

**Unit 1: Ancillary Services of Banks**

**Unit 2: Innovations in Banking Technology**

## **SUBJECT: PHYSICAL EDUCATION**

- 1- Management of sporting events**
- 2- Children and Women in sports**
- 3 - Yoga as preventive Measure for life style diseases**
- 4- Physical Education and Sports for CWSN**
- 5- Sports and nutrition**
- 6 - Test and measurement in sports**
- 7- Physiology and injuries in sports**

## **SUBJECT: HINDI**

**आरोह -:**

**~भक्तिन**

**~बाजार दर्शन**

**~काले मेघा पानी दे**

**~पहलवान की ढोलक**

~शिरीष के फूल

~आत्मपरिचय

~दिन जल्दी जल्दी ढलता है

~पतंग

~कविता के बहाने

~बात सीधी थी

~कैमरे में बंद अपाहिज

~ऊषा

~बादल राग

~कवितावली

~लक्ष्मण मूर्छा और राम का विलाप

वितान -

~सिल्वर वैडिंग

~जूझ

अभिव्यक्ति और माध्यम-

- ~अप्रत्याशित विषयों पर लेखन
- ~विभिन्न माध्यमों के लिए लेखन
- ~पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया
- ~विशेष लेखन स्वरूप और प्रकार
- ~कहानी और नाटक की रचना

## **SUBJECT- MATHS**

- 1. Relations and Functions**
- 2. Inverse Trigonometric Functions**
- 3. Matrices**
- 4. Determinants**
- 5. Continuity and Differentiability**
- 6. Application of Derivatives**
- 7. Integration**
- 8. Application of Integration**

**9. Differential Equations**

**10. Vectors and 3 D**

## **YOGA SYLLABUS**

### **PART-A- EMPLOYABILITY SKILLS**

**Unit-1 Communication**

**Skills-IV**

**Unit-2 Self Management**

**Skills-IV**

**Unit-3 ICT Skills-IV**

### **PART-B SUBJECT SPECIFIC**

#### **SKILLS**

**Unit-1 Introduction to Yoga**

**and Yogic Practices-II**

**Unit-2 Introduction to Yoga**



## **Texts-II**

### **SUBJECT: PSYCHOLOGY**

- \*1. Intelligence and Aptitude\*:
  - \*2. Self and Personality\*:
  - \*3. Human Strengths and Meeting Life Challenges\*:
  - \*4. Psychological Disorders\*:
  - \*5. Therapeutic Approaches and Counselling\*:
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### **SUBJECT: CHEMISTRY**

**1- Solutions**

**2- Electrochemistry**

**3 - Biomolecules**

**4- Chemical kinetics**

**5- Coordination Compounds**

**6 - Haloalkanes and Haloarenes**

## **7- Alcohol ,Phenol and Ethers**

### **SUBJECT: PHYSICS**

- \*1-\* Electric Charges and Fields**
- \*2-\* Electrostatic Potential and Capacitance**
- \*3-\* Current Electricity**
- \*4-\* Moving Charges and Magnetism**
- \*5-\* Magnetism and Matter**
- \*6-\* Electromagnetic Induction**
- \*7-\* Alternating Current**
- \*8-\* Electromagnetic Waves**
- \*9-\* Ray Optics and Optical Instruments**

### **SUBJECT: ELECTRONICS**

- \*Subject Specific Skills-**
- \*Unit 1:\* Basic Occupational Safety and**

## **Precautions**

**\*Unit 2:\* Microphones and Loudspeakers**

**\*Unit 3:\* Recorders**

## **Employability Skills-**

**\*Unit 1 :\* Communication Skills-IV**

**\*Unit 2 :\* Self-Management Skills- IV**

**\*Unit 3 :\* ICT Skills- IV**

## **SUBJECT: BIOLOGY**

### **Unit-VI Reproduction**

#### **Chapter-1: 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-2: 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-3: Reproductive Health**

**Need for reproductive health and prevention of  
Sexually Transmitted Diseases (STDs); birth  
control - 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-4: 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 syndromes.**

## **Chapter-5: 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-6: 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-7: 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-8: 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.**

## **Unit-IX Biotechnology and its Applications**

### **Chapter-9: Biotechnology - Principles and Processes**

# **Genetic Engineering (Recombinant DNA Technology).**

## **Chapter-10: 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.**

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## **SUBJECT: POLITICAL SCIENCE**

**# Challenges of Nation Building**

**# Era of One party Dominance**

**# Politics of Planned Development**

**# India 's External Relations**

**# Challenges to and Restoration of the Congress System**

**# The Crisis of Democratic Order**



## **World politics book 2-**

**#The cold war era**

**#The end of bipolarity**

**#Alternatives centers of power**

**#Contemporary South Asia**

**#International Organizations**

**# Security in the contemporary World**

## **History Syllabus:-**

### **Part I – Themes in Indian History – I**

#### **1. Bricks, Beads and Bones**

**– The Harappan Civilisation**

#### **2. Kings, Farmers and Towns**

**– Early States and Economies**

#### **3. Kinship, Caste and Class**

**– Early Societies**

## **4. Thinkers, Beliefs and Buildings**

### **– Cultural Developments**

## **Part II – Themes in Indian History – II**

## **5. Through the Eyes of Travellers**

### **– Perceptions of Society (c. 10th to 17th Century)**

## **6. Bhakti–Sufi Traditions**

### **– Changes in Religious Beliefs and Devotional Texts**

## **7. An Imperial Capital: Vijayanagara**

### **– Architecture and Cultural History**

## **8. Peasants, Zamindars and the State**

### **– Agrarian Society and the Mughal Empire**

## **9. Kings and Chronicles**

### **– The Mughal Courts (16th to 17th Century)**

**Computer Science**

# **UNIT I: COMPUTATIONAL THINKING AND PROGRAMMING – 2**

- **Review of python**

**Functions**

**Exception handling**

**File handling (text, binary, csv files)**

**Data structure (Stacks)**