

AIR FORCE GOLDEN JUBILEE INSTITUTE

SYLLABUS FOR MID TERM SYLLABUS

2020-21

CLASS XII

ENGLISH

1. Reading- Unseen passages

2. Writing Skills- Notice, Classified and Commercial advertisements, Formal and Informal Invitations and their replies, Letter to the editor, Job Application with bio-data, Newspaper and School Magazine Report, Newspaper and School Magazine Article.

3. Literature- Flamingo-Prose-The Last Lesson, Lost Spring, Deep Water, The Rattrap, Indigo

Poems- My mother at sixty-six, Elementary school class room in a slum, Keeping Quiet

Vistas- The Third Level, Enemy, Should wizard hit mommy, On the face of it.

PHYSICS

Unit-I Electrostatics

Chapter-1: Electric Charges and Fields

Chapter-2: Electrostatic Potential and Capacitance

Unit-II Current Electricity

Chapter-3: Current Electricity

Unit-III Magnetic Effects of Current and Magnetism

Chapter-4: Moving Charges and Magnetism

Chapter-5: Magnetism and Matter

Unit-IV Electromagnetic Induction and Alternating Currents

Chapter-6: Electromagnetic Induction

Chapter-7: Alternating Current

Unit-V Electromagnetic Waves

Chapter–8: Electromagnetic Waves

Unit–VI Optics

Chapter–9: Ray Optics and Optical Instruments

CHEMISTRY

1. Unit-1 Solid State

2. Unit-2 Solutions

3. Unit -3 Electrochemistry

4. Unit -4 Chemical Kinetics

5. Unit -5 Surface Chemistry

6. Unit -7 p-block elements

7. Unit-8 The d&f Block Elements

8. Unit-9 Coordination Compounds

(note all the deletions made by CBSE have been already shared with you all)

(we will strictly adhere to the new syllabus)

BIOLOGY

UNIT VI- REPRODUCTION

UNIT VII- GENETICS AND EVOLUTION

UNIT VIII- HUMAN WELFARE

UNIT IX- BIOTECHNOLOGY

COMPUTER SCIENCE

1. Review of Python covered in Class 11
2. Exception Handling
3. File Handling – text, binary, csv, MYSQL Databases
4. Stacks
5. Functions (including recursion)
6. Databases and SQL

MATHEMATICS

Ch1: Relation function

Ch 2: Inverse Trigonometric function

Ch 3: Matrices

Ch4: Determinants

Ch5: Continuity and Differentiability

Ch6: Application of derivatives

Ch7: Integrals

Ch8: Application of integrals

ECONOMICS

Macro Economics

- National Income and Related Aggregates
- Money and Banking

Indian Economic Development

- Development experience (1947-90) and Economic Reforms since 1991
- Current Challenges Facing Indian Economy
- Development Experience of India – A comparison with Neighbours

ACCOUNTANCY

PART-A

Book 1: Double Entry Book Keeping (Accounting for Not-for-Profit Organisations and Partnership Firms)

Chapter 1: Financial Statements of Not-for-Profit Organisation

Chapter 2: Accounting for Partnership Firms - Fundamentals

Chapter 3: Goodwill : Nature and Valuations

Chapter 4: Change in Profit Sharing Ratio Among the Existing Partners

Chapter 5 : Admission of a Partner

Chapter 6: Retirement of a Partner

Chapter 7: Death of a Partner

Chapter 8: Dissolution of a Partnership Firm

PART-B

Book 3: Financial Statement Analysis

Chapter 1: Financial Statements of a Company

Chapter 2: Financial Statement Analysis

Chapter 3: Tools of Financial Analysis- Comparative Statements and Common-Size statements

BUSINESS STUDIES

1.Nature and significance of Management.

2.Principles of Management.

3.Business Environment

4.Planning

5.Organising

6.Staffing

7.Directing

8.Controlling

HISTORY

Chapter 6- Bhakti, Sufi Traditions

Chapter 7- An Imperial Capital: Vijaynagara

Chapter 9- Kings and Chronicles

Chapter 10 – Colonialism and Countryside.

POLITICAL SCIENCE

Part A: Contemporary World Politics

CHAPTER 1- Cold War and Non-aligned Movement

CHAPTER 2- The End of Bipolarity

CHAPTER 3-New Centres of Power

CHAPTER 4-South Asia and the Contemporary World

CHAPTER 5-United Nations and its Organizations

CHAPTER 8-Globalization

Part B: Politics in India Since Independence

CHAPTER 9-Challenges of Nation- Building

CHAPTER 10-Planning and Development

SOCIOLOGY

Book 1-Indian Society

Chapter-3: Social Institutions- Continuity and Change

Chapter-5: Patterns of Social inequality and Exclusion

Chapter-6: The Challenges of Cultural Diversity

Book 2- Social Change and Development in India

Chapter-8: Structural Change

Chapter-9: Cultural Change

PSYCHOLOGY

Chapter I- The Variations in Psychological Attributes

Chapter II- Self and Personality

Chapter III- Meeting life challenges

Chapter IV- Psychological Disorders

Chapter V- Therapeutic Approaches

HOME SCIENCE

Unit II

Chapter2. Clinical Nutrition and Dietetics

Chapter3. Public Nutrition and Health

Chapter5. Food Processing and Technology

Chapter6. Food quality and Food Safety

Unit IV

Chapter10. Design for Fabric and Apparel

Chapter11. Fashion Design and Merchandize

Chapter13. Care and Maintenance of Fabrics in Institutions

Unit V

Chapter15. Hospitality Management

Chapter16. Consumer Education and Protection

PHYSICAL EDUCATION

Chapter 1 - Planning in Sports

Chapter 2 - Sports & Nutrition

Chapter 3-Yoga and Lifestyle

Chapter4 - Physical Education & Sports for CWSN

Chapter 5- Children and Women in Sports

Chapter 6-Test and Measurement in Sports

Tourism

Unit- 1 Introduction to Travel & Tour Operations Business

Unit -2 Operations of Travel Agency

Unit -3 Transport Network

Unit -4 Itinerary Planning

Front Office

Unit -I History and Evolution of Hotel Industry

Unit- II Etiquettes and manners

Unit-III Hotel Organization

Unit-IV Organization of Front office Department