

PREBOARD EXAMINATION (2017-18)

CLASS XII SYLLABUS

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
10. WAVE OPTICS
11. DUAL NATURE OF RADIATION AND MATTER
12. ATOMS
13. NUCLEI
14. SEMICONDUCTOR ELECTRONICS: MATERIALS, DEVICES AND SIMPLE CIRCUITS
15. COMMUNICATION SYSTEMS

PSYCHOLOGY

UNIT CHAPTER

- I Variations in Psychological Attributes
- II Self and Personality
- III Meeting Life Challenges
- IV Psychological Disorders
- V Therapeutic Approaches
- VI Attitude and Social Cognition
- VII Social Influence and Group Processes
- VIII Psychology and Life
- IX Developing Psychological Skills

SUBJECT – BIOTECHNOLOGY

- CHAPTERS:**
1. Recombinant DNA technology
 2. Protein Structure and Engineering
 3. Genomics and Bioinformatics
 4. Microbial Cell culture and its Application
 5. Plant Cell culture and Application

6. Animal cell culture and Application

SUBJECT – BIOLOGY

UNIT VI: REPRODUCTION

- CHAPTER: 1. Reproduction in Organisms
2. Sexual Reproduction in Flowering Plants
3. Human Reproduction
4. Reproductive Health

UNIT VII: GENETICS AND EVOLUTION

- CHAPTER: 5. Principles of Inheritance and Variation
6. Molecular Basis of Inheritance
7. Evolution

UNIT VIII: BIOLOGY AND HUMAN WELFARE

- CHAPTER: 8. Human Health and Disease
9. Strategies for Enhancement in Food Production
10. Microbes in Human Welfare

UNIT IX: BIOTECHNOLOGY

- CHAPTER: 11. Biotechnology: Principles and processes
12. Biotechnology and its Applications

UNIT X: ECOLOGY

- CHAPTER: 13. Organisms and Populations
14. Ecosystem
15. Biodiversity and Conservation
16. Environmental Issues

CHEMISTRY

THEORY

MM 70

UNIT 1 THE SOLID STATE

UNIT 2 SOLUTIONS

UNIT 3 ELECTROCHEMISTRY

UNIT 4 CHEMICAL KINETICS

UNIT 5 SURFACE CHEMISTRY

UNIT 6 GENERAL PRINCIPLES AND PROCESSES OF ISOLATION OF ELEMENTS

UNIT 7 THE P BLOCK ELEMENTS

UNIT 8 THE D AND F BLOCK ELEMENTS

UNIT 9 COORDINATION COMPOUNDS

UNIT 10 HALOALKANES AND HALOARENES

UNIT 11 ALCOHOLS, PHENOLS AND ETHERS

UNIT 12 ALDEHYDES, KETONES AND CARBOXYLIC ACIDS

UNIT 13 NITROGEN CONTAINING COMPOUNDS

UNIT 14 BIOMOLECULES

UNIT 15 POLYMERS

UNIT 16 CHEMISTRY IN EVERYDAY LIFE

SUBJECT-ECONOMICS

MICRO ECONOMICS-40

MACRO ECONOMICS-40

TOTAL-80

MICRO ECONOMICS- SECTION-A

UNITS	WEIGHTAGE
UNIT 1: INTRODUCTION	4
UNIT 2: CONSUMER'S EQUILIBRIUM AND DEMAND	13
UNIT 3: PRODUCER'S BEHAVIOUR AND SUPPLY	13
UNIT 4: FORMS OF MARKET	10
TOTAL	40

MACRO ECONOMICS-SECTION-B

UNITS	WEIGHTAGE
UNIT 5: NATIONAL INCOME AND REALTED AGGREGATES	10
UNIT 6: MONEY AND BANKING	6
UNIT 7: DETERMINATION OF INCOME AND EMPLOYMENT	12
UNIT 8: GOVERNMENT BUDGET	6
UNIT 9: BALANCE OF PAYMENT	6
TOTAL	40

MATHEMATICS

- 1.RELATIONS AND FUNCTIONS
- 2.INVERSE TRIGONOMETRIC FUNCTIONS
- 3.MATRICES
- 4.DETERMINANTS
- 5.CONTINUITY AND DIFFERENTIABILITY
- 6.APPLICATION OF DERIVATIVES
- 7.INTEGRALS
- 8.APPLICATIONS OF INTEGRALS
- 9.DIFFERENTIAL EQUATIONS
- 10.VECTOR ALGEBRA
- 11.THREE DIMENSIONAL GEOMETRY
- 12.LINEAR PROGRAMMING
- 13.PROBABILITY

ACCOUNTANCY

Part A: ACCOUNTING FOR PARTNERSHIP FIRMS AND COMPANIES

1. ACCPUNTING FOR PARTNERSHIP FIRMS
2. ACOOUNTINF FOIR COMPANIES

Part B: FINANCIAL STATEMENT ANALYSIS

1. ANALYSIS OF FINANCIAL STATEMENTS
2. CASH FLOW STATEMENT

ENTREPRENEURSHIP

UNIT 1: ENTREPRENEURIAL OPPORTUNITY

UNIT 2: ENTERPRISE PLANNING

UNIT 3: ENTERPRISE MARKETING

UNIT 4: ENTERPRISE GROWTH OPPORTUNITIES

UNIT 5: BUSINESS ARITHMETIC

UNIT 6:RESOURCE MOBILISATION

Computer Science

All Chapters

Multimedia and Web Tech.

All Chapters

POLITICAL SCIENCE

Book I-Contemporary world politics

CH-1 Cold War Era

CH-2 The End Of Bipolarity

CH-3 US Hegemony In World Politics

CH-4 Alternative Centres Of Power

Ch-5 Contemporary South Asia

CH-6 International Organization

CH-7 Security in Contemporary World

CH-8 Environment and Natural Resources

CH-9 Globalization

Book II- Politics In India Since Independence

CH- 1 challenges Of Nation Building

CH-2 Era Of One Party Dominance

CH-3 Politics Of Planned Development

CH-4 India' s External Relation

CH-5 Challenges to the Congress System

Ch-6 Crisis Of the Democratic order

Ch-7 Rise of the Popular Movements

Ch-8 Regional Aspiration

CH-9 Recent Developments In Indian Politics

BUSINESS STUDIES:

M.M. 80

PART I -- (i). Nature and Significance of Management.

(ii). Principles of Management.

(iii). Business Environment.

(iv). Planning.

(v). Organizing.

(vi). Staffing.

(vii). Directing.

(viii). Controlling.

PART II---(ix). Financial Management.

(x). Financial Market.

(xi). Marketing Management.

ENGLISH

Full syllabus