

# ARWACHIN BHARTI BHAWAN SR. SEC. SCHOOL

## SYLLABUS(CLASS-XII)

### SESSION-2018-19

#### SUBJECT-ENGLISH

#### MARCH-MAY

READING:	Comprehension Passage, Note Making and summarizing.
WRITING:	Notice, Classifieds, Application for Job.
LITERATURE:	The Last Lesson, My Mother at Sixty Six, Tiger King, Should Wizard Hit Mommy?
NOVEL:	CH: 1 to 7

#### MAY -UNIT TEST I

#### JULY / AUGUST

READING:	Comprehension Passage, Note Making and summarizing.
WRITING:	Speech Writing, Debate Writing, Article Writing, Business Letters, Posters, Display Advertisement
LITERATURE:	Deep Water, Rattrap, An Elementary Classroom in a Slum, Keeping Quiet, On the Face of It, The Enemy
NOVEL:	CH: 1 TO 15

#### AUGUST- 1ST TERM EXAM

#### SEPTEMBER/OCTOBER

READING:	Comprehension Passage, Note Making and summarizing
WRITING:	Posters and Report Writing.

LITERATURE: Indigo, A Thing of Beauty, Memories of Childhood

### OCTOBER- UNIT TEST II

### NOVEMBER/DECEMBER

READING: Comprehension Passage, Note Making and summarizing.

WRITING: Speech Writing, Article Writing, Debate Writing, Report Writing, Invitations, Advertisements, Notice, Posters, Letters.

LITERATURE: Going Places, Aunt Jennifer's Tigers, Evans Tries an O-Level

NOVEL: Complete Novel

### DECEMBER

Revision

### DECEMBER -IIND TERM EXAM

### JANUARY

Revision

### JANUARY - PREBOARD

### **SUBJECT-MATHS**

<u>MARCH-APRIL</u>	Ch-1	Relations and functions
	Ch-2	Inverse Trigonometric Functions
	Ch-3	Matrices
	Ch- 4	Determinants
<u>MAY</u>	Ch-5	Continuity and Differentiability

### MAY -UNIT TEST I

<u>JULY</u>	Ch-6	Applications of Derivatives
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<b><u>AUGUST</u></b>	Ch-7	Integrals
	Ch-7	Integrals Continued
	Ch- 8	Applications of Integrals
<b><u>SEPTEMBER</u></b>	Ch- 9	Differential Equations

### **AUGUST - IST TERM EXAM**

<b><u>OCTOBER</u></b>	Ch-10	Vectors
	Ch-11	Three Dimensional Geometry

### **OCTOBER - UNIT TEST II**

<b><u>NOVEMBER</u></b>	Ch-12	Linear Programming
<b><u>DECEMBER</u></b>	Ch-13	Probability

### **DECEMBER - IIND TERM EXAM**

<b><u>JANUARY</u></b>	Revision
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### **JANUARY - PREBOARD**

### **SUBJECT - PHYSICS**

<b><u>MARCH</u></b>	Chapter-1	Electric charges and fields
<b><u>APRIL</u></b>	Chapter-2	Electrostatic potential and capacitance
<b><u>MAY</u></b>	Chapter-3	Current electricity
	Chapter-4	Moving charges and magnetism
	Chapter-5	Magnetism and matter

### **MAY -UNIT TEST I**

<b><u>JULY</u></b>	Chapter-6	Electromagnetic induction
	Chapter-7	Alternating current
	Chapter-8	Electromagnetic waves
<b><u>AUGUST</u></b>	Chapter-9	Ray optics
<b><u>SEPTEMBER</u></b>	Chapter 10	Wave optics

## AUGUST- 1ST TERM

### OCTOBER

Chapter-11 Dual nature of radiations and matter  
Chapter-12 Atoms  
Chapter-13 Nuclei

## OCTOBER-UNIT TEST 2

### NOVEMBER

Chapter-14 Semiconductors electronics  
Chapter-15 Communication system

## DECEMBER-IIND TERM

### DECEMBER

REVISION

### JANUARY

REVISION

## JANUARY-PREBOARD

## **SUBJECT - CHEMISTRY**

### MARCH

Ch. 1. The Solid State

### APRIL

Ch. 2. Solution

## MAY-UNIT TEST1

### MAY

Ch. 3. Electro Chemistry

### JULY

Ch. 4. Chemical Kinetics

### AUGUST

Ch. 5. Surface Chemistry

## SEPTEMBER TERM-I

### SEPTEMBER

Haloalkanes & Haloarenes

### OCTOBER

Alcohol, Phenol, Ethers

## OCTOBER -UNIT TEST2

### NOVEMBER

Chemical Kinetics

## DECEMBER

Aldehyde, Ketones

## DECEMBER-TERM-II

## JANUARY

Revision Whole Syllabus

## PREBOARD

## **SUBJECT - BIOLOGY**

## MARCH - APRIL

CHAPTER 13	ORGANISMS AND POPULATIONS
CHAPTER 14	ECOSYSTEM
CHAPTER 15	BIODIVERSITY AND CONSERVATION
CHAPTER 16	ENVIRONMENTAL ISSUES
CHAPTER 1	REPRODUCTION IN ORGANISMS
CHAPTER 2	SEXUAL REPRODUCTION IN ORGANISMS.
CHAPTER 3	HUMAN REPRODUCTION
CHAPTER 4	REPRODUCTIVE HEALTH

## MAY

CHAPTER 8	HUMAN HEALTH AND DISEASES
CHAPTER 9	STRATEGIES FOR ENHANCEMENT IN FOOD PRODUCTION
CHAPTER 10	MICROBES IN HUMAN WELFARE

## MAY -UNIT TEST1

## JULY

CHAPTER 5	PRINCIPLES OF INHERITANCE AND VARIATION
CHAPTER 6	MOLECULAR BASIS OF INHERITANCE

## AUGUST

CHAPTER 7	EVOLUTION
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## SEPTEMBER TERM-I

## SEPTEMBER

CHAPTER 11	BIOTECHNOLOGY: PRINCIPLES AND PROCESSES
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## OCTOBER -UNIT TEST2

### OCTOBER

CHAPTER 12 BIOTECHNOLOGY: APPLICATIONS

### NOVEMBER

REVISION

### DECEMBER

REVISION

## DECEMBER-TERM-II

### JANUARY

REVISION

## JANUARY-PREBOARD

## **SUBJECT - COMPUTER SCIENCE**

BOOK NAME: COMPUTER SCIENCE WITH C++( BY SUMITA ARORA)

UNIT -1(OBJECT ORIENTED PROGRAMMING IN C++)

### MARCH

Review; C++ covered in class XI (CHAPTER 1)

Object Oriented Programming (CHAPTER 2)

Function Overloading (CHAPTER 3)

### APRIL

Classes and Object (CHAPTER 4)

Constructor and Destructor: (CHAPTER 5)

Inheritance (CHAPTER 6)

## MAY -UNIT TEST 1

### MAY

Data File Handling: (CHAPTER 7)

### JULY

Pointers: (CHAPTER 8)

UNIT 2 :( DATA STRUCTURE)

Array (CHAPTER 9)

### AUGUST

Linked list, Stack and Queue (CHAPTER 10)

## SEPTEMBER TERM-I

### SEPTEMBER

UNIT 3: (DATABASES AND SQL)

Database Concepts

CHAPTER 11

Structured Query Language

CHAPTER 12

UNIT 4 BOOLEAN ALGEBRA

### OCTOBER

Boolean Algebra

CHAPTER 13

## OCTOBER UNIT TEST 2

### NOVEMBER

UNIT 5:( COMMUNICATION and Network Concept)

Networking

CHAPTER 14

### DECEMBER

REVISION

## DECEMBER-TERM 2

### JANUARY

REVISION

## JANUARY-PREBOARD

## **SUBJECT - HOME SCIENCE**

### MARCH

Unit I: Human development : life span approach

Chapter 1. Adolescence

Chapter 2. Influence on Identity formation of Adolescents

### APRIL

Chapter 3. Specific Issues and Concerns of Adolescents

Chapter 4. Adulthood, old age and Anger Management

Unit II: Nutrition for Self family and Community

Chapter 5. Meal planning

### MAY

UNIT 1 FILE WORK

Chapter 6. Modification of meal

Chapter 7. Therapeutic meal modification

Chapter 8. Food Safety and Quality

Unit III: Money Management and Consumer Education

Chapter 9. Family Income

## MAY -UNIT TEST1

### JULY

Chapter 10. Saving and Investments

Chapter 11. Consumer Protection and Education

Unit IV: Apparel: designing,selection and care

### AUGUST

Chapter 12. Application of elements of art and principles of design

Chapter 13.Selection of fabric and apparel

UNIT 2 FILE WORK

Chapter 14. Care and maintenance of cloths

Unit V: Community development and extension

### SEPTEMBER

Chapter 15. Water safety

Chapter 16. Income generating schemes

UNIT 3 FILE WORK

Unit VI: Career option after home science education

## SEPTEMBER TERM-I

### OCTOBER

Chapter 17. Career option after home science education

UNIT 4 AND 5 FILE WORK

## OCTOBER UNIT TEST 2

### NOVEMBER

REVISION

### DECEMBER

FILE WORK AND REVISION

## DECEMBER-TERM 2

### JANUARY

REVISION

## JANUARY-PREBOARD

## **SUBJECT - ACCOUNTANCY**

Part A: Accounting for Partnership Firms and Companies

MARCH-APRIL Unit 1: Accounting for Partnership Firms



**MAY**

Accounting for Partnership firms - Reconstitution and Dissolution.  
Change in the Profit Sharing Ratio among the existing partners -  
Admission of a partner -  
Retirement and death of a partner

**MAY-UNIT TEST 1**

**JULY**

**AUGUST**

Dissolution of a partnership firm:  
Unit-2 Accounting for Companies

**AUGUST-TERM1 EXAM**

**SEPTEMBER**

Accounting for Share Capital  
Accounting for Debentures  
Part B: Financial Statement Analysis  
Unit 3: Analysis of Financial Statements

**OCTOBER**

Financial statements of a company  
Financial Statement Analysis:  
Tools for Financial Statement Analysis  
Accounting Ratios  
Liquidity Ratios  
Solvency Ratios  
Activity Ratios  
Profitability Ratios

**OCTOBER-UNIT TEST 2**

**NOVEMBER**

Unit 4: Cash Flow Statement

**DECEMBER**

Revision and Project Work

**DECEMBER TERM2**

**JANUARY**

Revision

**JANUARY-PREBOARD**

## **SUBJECT - BUSINESS STUDIES**

### Part A: Principles and Functions of Management

#### **MARCH-APRIL Unit I: Nature and Significance of Management**

Management - concept, objectives and importance

Management as Science, Art and Profession

Levels of management

Management functions - planning, organising, staffing, directing and controlling

Coordination - concept, characteristics and importance

#### **Unit 2: Principles of Management**

Principles of Management - concept, nature and significance

Fayol's principles of management

Taylor's Scientific Management - principles and techniques

#### **Unit 3: Management and Business Environment**

Business Environment - concept and importance

Dimensions of Business Environment - Economic, Social, Technological, Political and Legal

Impact of Government policy changes on business with special reference to liberalization, privatization and globalisation in India.

#### **MAY**

#### **Unit 4: Planning**

Concept, importance and limitations

Planning process

Single use and Standing Plans - Objectives, Strategy, Policy, Procedure, Method, Rule, Budget and Programme.

#### **Unit 5: Organising**

Concept and importance.

Organizing Process.

Structure of organization - functional and divisional.

Formal and informal organization.

Delegation: concept, elements and importance.

Decentralization: concept and importance.

#### **MAY-UNIT TEST1**

#### **JULY**

#### **Unit 6: Staffing**

Concept and importance of staffing

Staffing as a part of Human Resource Management

Staffing process: Recruitment - sources; Selection - process  
Training and Development - Concept and importance. Methods of training- on the job and off the job- Induction training, vestibule training, apprenticeship training and internship training.

### **Unit 7: Directing**

Concept and importance

Elements of Directing: - Supervision - concept, functions of a supervisor.; - Motivation - Concept, Maslow's hierarchy of needs; Financial and non-financial incentives.; - Leadership - concept, styles - authoritative, democratic and laissez faire.; - Communication - concept, formal and informal communication; barriers to effective; communication, how to overcome the barriers.

## **AUGUST**

### **Unit 8: Controlling**

Concept, nature and importance

Relationship between planning and controlling

Steps in the process of control

Part B: Business Finance and Marketing

## **AUGUST-TERM1 EXAM**

## **SEPTEMBER**

### **Unit 9: Financial Management**

Concept and objectives of financial management.

Financial decisions : investment, financing and dividend and factors affecting.

Financial planning - concept and importance.

Capital Structure - concept and factors affecting.

Fixed and Working Capital - concept and factors affecting their requirements.

## **OCTOBER**

### **Unit 10: Financial Markets**

Financial Markets: concept and types.

Money market and its instruments.

Capital market and its types (primary and secondary).

Stock Exchange - functions and trading procedure. Depository Services and D'mat Account.

Securities and Exchange Board of India (SEBI) - objectives and functions.

## **OCTOBER -UNIT TEST2**

## NOVEMBER

### **Unit 11: Marketing Management**

Marketing - concept and functions.

Marketing management philosophies.

Marketing Mix - concept

Product - concept, branding, labeling and packaging. Price - factors determining price.

Physical distribution- concept, channels of distribution: types, choice of channels.

Promotion -concept and elements; advertising- concept, role, objections against advertising, personal selling - concept and qualities of a good salesman, sales promotion - concept and techniques, public relations - concept and role.

### **Unit 12: Consumer Protection**

Concept and importance of consumer protection.

Consumer Protection Act 1986

Meaning of consumer and consumer protection.

Rights and responsibilities of consumers

Who can file a complaint and against whom?

Redressal machinery.

Remedies available.

Consumer awareness - Role of consumer organizations and Non-Governmental Organizations (NGOs).

## DECEMBER

*(PROJECT WORK AND SAMPLE PAPERS)*

Unit 13: Project Work

## DECEMBER TERM-2 EXAM

## JANUARY

Revision

## JANUARY-PRE BOARD

### **SUBJECT - ECONOMICS**

## MARCH

MICRO ECONOMICS

UNIT-I Introduction of Micro Economics

UNIT-II Utility Analysis Consumer Equilibrium

## APRIL

UNIT-II Indifference Analysis- Consumer Equilibrium

Demand Analysis

Elasticity of Demand

**MAY**

UNIT-III Supply Analysis  
Elasticity of Supply  
Production of Fuction  
PROJECT WORK

**MAY-UNIT TEST1**

**JULY**

UNIT-III Cost Concept  
Revenue under different Markets  
Producer Equilibrium-(MC-MR Approach)  
UNIT-IV Forms of Markets-Perfect Competitive, Monopoly,  
Monopolistic market, Oligopoly

**AUGUST**

Price Determination of a Commodity  
Price ceiling and Price floor  
MACRO ECONOMICS

**AUGUST -TERM1 EXAM**

**SEPTEMBER**

UNIT-VI  
Money and Banking  
UNIT-V  
National income and related aggregates  
UNIT-VIII  
Government Budgeting

**OCTOBER**

UNIT-VII  
Determination of Income and Employment  
UNIT-IX  
Balance of payment and Foreign Exchange rate

**OCTOBER UNIT TEST 2**

**NOVEMBER**

Numericals  
Diagrams  
Sample papers

**DECEMBER**

Revision

**JANUARY**

Revision

## JANUARY-PREBOARD

### **SUBJECT - POLITICAL SCIENCE**

#### MARCH

Part A: Politics in India since Independence.

1. Challenges of Nation Building
2. Era of one party Dominance
3. Politics of Planned Development

#### APRIL

4. India's external Relations
5. Challenges to and Restoration of the Congress System.

### MAY-UNIT TEST 1

#### MAY

6. The crisis of Democratic order
7. Rise of Popular Moments
8. Regional Aspirations

#### JULY

9. Recent Developments in Indian Politics.

Part B: Contemporary World Politics

1. The Cold War Era
2. The end of Bipolarity
3. U.S Hegemony in World Politics

#### AUGUST

4. Alternative Centres of Power
5. Contemporary South Asia

### AUGUST-TERM 1 EXAM

#### SEPTEMBER

6. International Organisations
7. Security in the Contemporary world.
8. Environmental and Natural Resources

#### OCTOBER

### OCTOBER - UNIT TEST 2

#### NOVEMBER

9. Globalisation
- Revision

#### DECEMBER

Revision

## DECEMBER TERM-2

JANUARY

Revision

## JANUARY-PREBOARD

### **SUBJECT - HISTORY**

MARCH

(BOOK - I)

Theme 1 - Bricks, Beads and Bones

Theme 2 - Kings, Farmers and Towns (Early states and economies C.600 BCE to 600 CE)

APRIL

(BOOK - I)

Theme 3 - Kinship, Caste and Class (Early societies C. 600 BCE to 600 CE)

Theme 4 - Thinkers, Beliefs and Buildings (Cultural development C. 600 BCE to 600CE)

MAY

## MAY-UNIT TEST 1

(BOOK - II)

Theme 5 - Through the eyes of travellers (perception of society C. 10<sup>th</sup> to 17<sup>th</sup> C)

Theme 6 - Bhakti- Sufi tradition (changes in religious beliefs and devotional texts C. 8<sup>th</sup> to 18<sup>th</sup> C.)

JULY

Theme 7 - An Imperial Capital of Vijaynagara (C. 14<sup>th</sup> to 16<sup>th</sup> C.)

Theme 8 - Peasants, Zamindars, and State (Agrarian society & the Mughal Empire C. 16<sup>th</sup> to 17<sup>th</sup> C.)

Theme 9 - Kings and Chronicles (The Mughal court C. 16<sup>th</sup> to 17<sup>th</sup> C.)

AUGUST

## AUGUST TERM1 EXAM

(BOOK - III)

Theme 10 - Colonialism and countryside (Exploring official archives)

Theme 11 - Rebels and the Raj (The Revolt of 1857 & its representatives)

## SEPTEMBER

Theme 12 - Colonial cities (Urbanisation planning and the architecture)

Project Work

## OCT -NOV

## OCTOBER UNIT TEST 2

Theme 13 - Mahatma Gandhi and the National Movement (Civil disobedience & beyond)

Theme 14 - Understanding partition (Politics, memories, and experiences)

Theme 15 - Framing the constitution (The beginning of new Era)

## DECEMBER

Revision

## DECEMBER TERM 2 EXAM

## JANUARY

Revision through sample papers

## JANUARY PREBOARD

## **SUBJECT - HINDI**

अंतराल भाग - 2

अंतरा भाग - 2

अभिव्यक्ति व माध्यम

### मार्च

अंतराल भाग - 2 पाठ -1 ,2

अभिव्यक्ति व माध्यम

### अप्रैल

अंतरा भाग - 2 गद्यखंड - 1

अंतराल भाग - 2 पाठ-3

अपठित काव्यांश

### मई

अंतरा भाग - 2 गद्यखंड - पाठ - 2 काव्य खंड पाठ - 1

अपठित गद्यांश (अभ्यास)



## **MAY UNIT TEST1**

**जुलाई**

अंतरा भाग 2

गद्यखंड -3 ,4

काव्य खंड 2,3 (आधुनिक ) निबंध ,पत्र

**अगस्त**

अंतरा भाग 2,

गद्यखंड -5 ,6

काव्य खंड -7,8 (प्राचीन )

जन संचार और पत्रकारिता के विविध आयाम

## **AUGUST TERM 1**

**सितम्बर**

अंतरा भाग २

काव्य खंड 2,3 (आधुनिक ) 4,5

पत्रकारिता के विविध आयाम

पत्र व निबंध लघु प्रश्नोत्तर (अभिव्यक्ति व माध्यम)

**अक्टूबर से नवंबर**

अंतराल

पाठ - 5

अंतरा

काव्य खंड (आधुनिक )-6

प्राचीन 9,10,11

गद्यखण्ड 7,8,9

## **OCTOBER –UNIT TEST 2**

**दिसंबर**

अंतरा

काव्य खंड (आधुनिक )-6

गद्यखण्ड 10

पुनरावृत्ति

## **DECEMBER TERM-2**

**जनवरी**

पुनरावृत्ति

## **JANUARY - PREBOARD**