



B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL

TERM 1

(03.09.25 – 17.09.25)

GRADE XI

Blueprint and Syllabus
ENGLISH CORE (301)

| | | MCQ/ VSAQ 1 | VSAQ 2 | LAQ 4 | VLAQ 5 | TOTAL |
|------------|--|----------------|-----------|----------|-----------|-------|
| Reading | Three Unseen Passages | 14 | 4 | | | 22 |
| Writing | Notice writing, Article Writing, Invitation Writing. | | | 2 | 2 | 18 |
| Literature | Hornbill: -The Portrait of a Lady, -A Photograph -We're Not Afraid to Die... if we Can be Together, -Discovering the Tut: The Saga continues Snapshot: -The Summer of the Beautiful Whit Horse, -The Address | 6+4+6 | 5+2 | | 2 | 40 |
| | | 30 | 22 | 8 | 20 | 80 |

MATHEMATICS

| S.NO | CHAPTER NAME | MCQ(1) | A&R(1) | VSA(02) | SA(03) | LA(5) | CSB(4) | TOTAL |
|------|----------------------------|--------|--------|---------|--------|-------|--------|-------|
| 1. | SETS | 2 | 1 | 1 | 1 | | | 8 |
| 2. | RELATIONS AND FUNCTIONS | 3 | | | 1 | | 1 | 10 |
| 3. | TRIGONOMETRIC FUNCTIONS | 3 | | 1 | 1 | 1 | 1 | 17 |

| | | | | | | | | |
|-----------|--|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| 4. | COMPLEX NUMBERS AND QUADRATIC EQUATIONS | 3 | | 1 | 1 | 1 | | 13 |
| 5. | LINEAR INEQUALITIES | 2 | | 1 | 1 | | 1 | 11 |
| 6. | PERMUTATION AND COMBINATIONS | 3 | 1 | | 1 | 1 | | 12 |
| 7. | BINOMIAL THEOREM | 2 | | 1 | | 1 | | 9 |
| | Total | 18 | 2 | 10 | 18 | 20 | 12 | 80 |

APPLIED MATHEMATICS

| Sl. No. | LESSONS | MCQ(1) | A&R(1) | VSA(02) | SA(03) | LA(5) | CB(IU)(4) | TOTAL |
|--|---|----------------|--------------|---------------|---------------|---------------|---------------|-----------|
| 1 | Binary Numbers | 1x2=2 | | 2x1=2 | 3x1=3 | | | 07 |
| 2 | Indices and Logarithms | 1x3=3 | | 2x1=2 | 3x1=3 | 5x1=5 | | 13 |
| 3 | Quantification and numerical Applications | 1x3=3 | 1x1=1 | | 3x1=3 | 5x1=5 | 4x1=4 | 16 |
| 4 | Sets and Relations | 1x3=3 | | 2x1=2 | | 5x1=5 | 4x1=4 | 14 |
| 5 | Sequences and Series | 1x3=3 | | 2x1=2 | 3x1=3 | | | 08 |
| 6 | Permutation and Combinations | 1x2=2 | 1x1=1 | 2x1=2 | 3x1=3 | | 4x1=4 | 12 |
| 7 | Functions | 1x2=2 | | | 3x1=3 | 5x1=5 | | 10 |
| TOTAL Marks x No. of Questions = Total Marks | | 1x18=18 | 1x2=2 | 2x5=10 | 3x6=18 | 5x4=20 | 4x3=12 | 80 |

PHYSICS

| Sl. No. | Chapter's name | 1M (MCQ) | 1M (A/R) | 2M | 3M | Case study- 4 M | 5M | Total (marks) |
|--------------|---|----------------|--------------|---------------|---------------|--------------------|---------------|------------------|
| 1 | Units and measurement | 2 | --- | 1 | 1 or1 | --- | --- | 4 (7) |
| 2 | Motion in a straight line | 2 | --- | --- | 2 | 1 (1+1+1+1) | --- | 5 (12) |
| 3 | Motion in a plane | 2 | 1 | 1 or1 | | --- | 1 or1 | 5 (10) |
| 4 | Laws of motion | 1 | 1 | | 1 | --- | 1 or1 | 4 (10) |
| 5 | Work, energy and power | 1 | 1 | 1 | 1 | 1 (2+1+1) | --- | 5 (11) |
| 6 | System of particles and rotational motion | 2 | 1 | 1 | 1 | --- | --- | 5 (8) |
| 7 | Gravitation | 2 | --- | 1 Or 1 | 1 | --- | 1 or1 | 5 (12) |
| Total | | 12 (12) | 4 (4) | 5 (10) | 7 (21) | 2 (8) | 3 (15) | 33 (70) |

CHEMISTRY

| Unit No | Name of the unit | 1 Mark (mcq) | 1 Mark (A/R) | 2 Marks Q's | 3 Marks Q's | 4 Marks CASE BASED Q's | 5 Marks Q's | Total |
|--------------|--|---------------|--------------|--------------|--------------|------------------------|--------------|---------------|
| 1 | Some Basic Concepts of Chemistry | 3(1) | 1(1) | 2(2) | 2(3) | | | 8(14) |
| 2 | Structure of Atom | 4(1) | 1(1) | 1(2) or 1(2) | 2(3) | 1(4) | 1(5)or 1(5) | 10(22) |
| 3 | Classification of Elements and Periodicity in Properties | 3(1) | 1(1) | 1(2) | 1(3) or 1(3) | 1(4) | 1(5)or 1(5) | 8(18) |
| 4 | Chemical Bonding and Molecular Structure | 2(1) | 1(1) | 1(2) | 2(3) | | 1(5) or 1(5) | 7(16) |
| Total | | 12(12) | 4(4) | 5(10) | 7(21) | 2(8) | 3(15) | 33(70) |

ECONOMICS

| Sr. No. | Unit | Topic | 1 mark (MCQ) | 3 Marks SA Type I | 4 Marks SA Type II | 6 Marks LA type | Total |
|---------------------------------|------|--|--------------|-------------------|--------------------|-----------------|--------|
| (MICROECONOMICS) | | | | | | | |
| MARKS (NO. OF QUESTIONS) | | | | | | | |
| 1. | 4 | INTRODUCTION CENTRAL PROBLEMS OF AN ECONOMY PRODUCTION POSSIBILITY CURVE | 1(5) | 3(1) | 4(2) | 6(1) | 22(9) |
| 2. | 5 | DEMAND ELASTICITY OF DEMAND | 1(7) | 3(2) | 4(2) | 6(1) | 27(12) |

| | | | | | | | |
|--|---|--|--------|-------|-------|-------|--------|
| 3. | 6 | PRODUCTION FUNCTION COST REVENUE | 1(8) | 3(1) | 4(2) | 6(2) | 31(13) |
| | | | 20(20) | 12(4) | 24(6) | 24(4) | 80(34) |
| Note: There will be Internal Choice in questions of 3 marks, 4 marks and 6 marks . | | | | | | | |

ACCOUNTANCY

| Sr. No | Chapter /Unit | Topic | 1 Mark (MCQ) & (ARQ) | 3 Marks (SATQ – I) | 4 Marks (SATQ- II) | 6 Marks (LATQ) | Total |
|--------|---------------|---|----------------------|--------------------|--------------------|----------------|-------|
| 1 | CH 1 | Introduction to Accounting | 2 | | 1 | 1 | 12 |
| 2 | CH 2 | Basic Accounting Terms | 3 | 1 | 1 | | 10 |
| 3 | CH 3 | Accounting procedures- rules of debit and credit | 5 | 1 | 2 | 1 | 22 |
| 4 | CH 4 | Origin of transactions source document and preparation of voucher | 5 | 1 | 1 | 1 | 18 |
| 5 | CH 5 | Journal | 5 | 1 | 1 | 1 | 18 |
| | | TOTAL | 20 | 12 | 24 | 24 | 80 |

BUSINESS STUDIES

| CHAPTER NO. | NAME OF CHAPTERS | MARKS (NUMBER OF QUESTIONS) | | | | TOTAL MARKS |
|-------------|--|-----------------------------|-----------------|----------------|----------------|-------------|
| | | 1(MCQ'S and ARQ) | 3(Short Answer) | 4 (SAQ and CB) | 6(Long Answer | |
| 1 | Evolution and Fundamentals of Business | 3 | | 1 | 1 | 13 |
| 2 | Forms of Business organizations | 4 | 1 | 2 | 1 | 21 |
| 3 | Public, Private and Global Enterprises | 4 | 1 | 1 | 1 | 17 |
| 4 | Business Services | 4 | 1 | 1 | 1 | 17 |
| 5 | Emerging Modes of Business | 5 | 1 | 1 | | 12 |
| | TOTAL | 20 | 12 | 24 | 24 | 80 |

BUSINESS ADMINISTRATION

| Sr.No. | Chapter/ Unit | Topic | 1 Mark | 2Marks | 3Marks | 4Marks | Total Marks |
|--------|------------------|---|----------------------|---------------|--------------|---------------|----------------|
| | | | (MCQ) SECTION - A | (SA-I) | (SA-II) | (LA) | |
| 1 | UNIT-1 | Introduction to Business Operations | 6 | 1 | 1 | - | 11 |
| 2 | UNIT-2 | Business Environment | 6 | 1 | - | 1 | 12 |
| 3 | UNIT-3 | Products and Services | 5 | -1 | 1 | - | 10 |
| 4 | UNIT-4 | Types of Organization | 5 | 2 | - | 1 | 13 |
| 5 | UNIT-5 | Formation of Partnership firm and Joint stock company | 8 | 1 | - | 1 | 14 |
| | | | | | | | |
| | | TOTAL | 1x30=30 | 2x6=12 | 3x2=6 | 4x3=12 | 60 |

ENTREPRENEURSHIP

| Sr. No | Chapter /Unit | Topic | 1 Mark (MCQ) & (ARQ) | 2 Marks (SATQ – I) | 3 Marks (SATQ-II) | 5 Marks (LATQ) | Total |
|--------|---------------|---|----------------------|--------------------|-------------------|----------------|-----------|
| 1 | CH 1 | Entrepreneurship: Concept and Functions | 5 | 2 | 2 | | 15 |
| 2 | CH 2 | An entrepreneur | 5 | 1 | 1 | 1 | 15 |
| 3 | CH 3 | Entrepreneurial Journey | 5 | 1 | 1 | 2 | 20 |
| 4 | CH 4 | Entrepreneurship as Innovation and 20 Problem Solving | 3 | 2 | 1 | 2 | 20 |
| | | TOTAL | 18 | 12 | 15 | 25 | 70 |

MASS MEDIA STUDIES

| CHAPTE R NO. | CHAPTERS NAME | MARKS (NUMBER OF QUESTIONS) | | | | TOTAL MARKS |
|-----------------|-----------------------------------|-----------------------------|------------------------|--------------------|-----------------|----------------|
| | | 1(MCQ'S) | 2(Very Short Answer-I) | 3(Short Answer-II) | 4(Long Answer) | |
| 1 | Introduction To Media | 2 | | 1 | 1 | 9 |
| 2 | Aspects Of Mass Communication | 2 | 1 | | 1 | 8 |
| 3 | Barriers To Communication | 2 | | 1 | | 5 |
| 4 | Understanding Cinema I | 2 | 1 | | 1 | 8 |
| 5 | Understanding Cinema II | 2 | | 1 | | 5 |
| 6 | Understanding T.V. | 2 | 1 | | 1 | 8 |
| 7 | Print Media And Its Type | 2 | | 1 | 1 | 9 |
| 8 | Radio Genres In Radio Programming | 2 | 1 | | | 4 |
| 9 | Internet | 1 | | 1 | | 4 |
| | TOTAL | 17 | 8 | 15 | 20 | 60 |

POLITICAL SCIENCE

| CHAPTE R NO. | NAME OF CHAPTERS | MARKS (NUMBER OF QUESTIONS) | | | | | TOTAL MARKS |
|-----------------|-----------------------------------|-----------------------------|-----------------|-----------------|----------------|-----------------|----------------|
| | | 1(MCQ'S) | 2(Short Answer) | 4(Short Answer) | 4 (Case Study) | 6(Long Answer) | |
| 1 | Constitution: Why and How? | 3 | 2 | 1 | | | 11 |
| 2 | Rights in the Indian Constitution | 2 | 1 | 1 | 1 | 1 | 18 |
| 3 | Election and Representation | 2 | 1 | 1 | 1 | 1 | 18 |
| 4 | Federalism | 3 | 1 | 1 | | 1 | 15 |
| 5 | Freedom | 2 | 1 | 1 | 1 | 1 | 18 |
| | TOTAL | 12 | 12 | 20 | 12 | 24 | 80 |

FMM

| CHAPTER NO. | NAME OF CHAPTERS | MARKS (NUMBER OF QUESTIONS) | | | | |
|----------------|-----------------------------------|-----------------------------|-----------------|----------------|-----------------|-------------|
| | | 1(MCQ'S) | 3(Short Answer) | 4 (Case Study) | 4(Long Answer) | TOTAL MARKS |
| 1 | Markets and Financial Instruments | 5 | 4 | 1 | 1 | 25 |
| 2 | Primary and Secondary Market | 5 | 4 | 1 | 1 | 25 |
| | TOTAL | 10 | 24 | 8 | 8 | 50 |

ARTIFICIAL INTELLIGENCE

PART A - EMPLOYABILITY SKILLS (10 MARKS):

| SR NO | NAME OF THE UNIT | OBJECTIVE TYPE QUESTIONS | SHORT ANSWER TYPE QUESTIONS | TOTAL QUESTIONS |
|--|------------------------------|--------------------------|-----------------------------|-----------------|
| | | 1 MARK EACH | 2 MARKS EACH | |
| 1 | Communication Skills – III | 2 | - | 2 |
| 2 | Self Management Skills - III | - | 2 | 2 |
| 3 | ICT Skills-III | - | 2 | 2 |
| 4 | Entrepreneurial Skill - III | 2 | - | 2 |
| 5 | Green Skill - III | 2 | - | 2 |
| TOTAL QUESTIONS | | 6 | 4 | 10 |
| NO. OF QUESTIONS TO BE ANSWERED | | Any 4 | Any 3 | |
| TOTAL MARKS | | 1 X 4 = 4 | 2 X 3 = 6 | 10 MARKS |

PART B - SUBJECT SPECIFIC SKILLS (40 MARKS):

| SR NO | NAME OF THE UNIT | OBJECTIVE TYPE QUESTIONS | SHORT ANSWER TYPE QUESTIONS | DESCRIPTIVE/LOGGING ANSWER TYPE QUESTIONS | TOTAL QUESTIONS |
|--|-------------------------------|--------------------------|-----------------------------|---|-----------------|
| | | 1 MARK EACH | 2 MARKS EACH | 3 MARKS EACH | |
| 1 | Introduction: AI for Everyone | 8 | 2 | 2 | 10 |
| 2 | Unlocking Your Future in AI | 8 | 1 | 1 | 8 |
| 3 | Python Programming | 8 | 3 | 3 | 14 |
| TOTAL QUESTIONS | | 24 | 6 | 6 | 32 |
| NO. OF QUESTIONS TO BE ANSWERED | | Any 20 | Any 4 | Any 4 | |
| TOTAL MARKS | | 1 X 20 = 20 | 2 X 4 = 8 | 3 X 4 = 12 | 40 MARKS |

INFORMATION TECHNOLOGY

PART A - EMPLOYABILITY SKILLS (10 MARKS):

| SR NO | NAME OF THE UNIT | OBJECTIVE TYPE QUESTIONS | SHORT ANSWER TYPE QUESTIONS | TOTAL QUESTIONS |
|---------------------------------|------------------------------|--------------------------|-----------------------------|-----------------|
| | | 1 MARK EACH | 2 MARKS EACH | |
| 1 | Communication Skills - III | 3 | 3 | 6 |
| 2 | Self Management Skills - III | 3 | 2 | 5 |
| TOTAL QUESTIONS | | 6 | 5 | |
| NO. OF QUESTIONS TO BE ANSWERED | | Any 4 | Any 3 | |
| TOTAL MARKS | | 1 X 4 = 4 | 2 X 3 = 6 | 10 MARKS |

PART B - SUBJECT SPECIFIC SKILLS (50 MARKS):

| SR NO | NAME OF THE UNIT | OBJECTIVE TYPE QUESTIONS | SHORT ANSWER QUESTION S | LONG ANSWER QUESTIONS | VERY LONG ANSWER QUESTIONS | TOTAL QUESTIONS |
|---------------------------------|----------------------------------|--------------------------|-------------------------|-----------------------|----------------------------|-----------------|
| | | 1 MARK EACH | 2 MARKS EACH | 3 MARKS EACH | 4 MARKS EACH | |
| 1 | Fundamentals of Computer | 8 | 1 | 1 | 1 | 11 |
| 2 | Components of Computer | 8 | 1 | | 2 | 11 |
| 3 | Operating System | 8 | 1 | 1 | 1 | 11 |
| 4 | Fundamentals of Java programming | 8 | 2 | 1 | 1 | 12 |
| TOTAL QUESTIONS | | 32 | 5 | 3 | 5 | |
| NO. OF QUESTIONS TO BE ANSWERED | | Any 26 | Any 3 | Any 2 | Any 3 | |
| TOTAL MARKS | | 1 X 26 = 26 | 2 X 3 = 6 | 3 X 2 = 6 | 4 X 3 = 12 | 50 MARKS |

PHYSICAL EDUCATION

| Sr.No | Topic | MCQ(1) | Very Short Answer (2) | Short Answer (3) | Case Study (4) | Short Answer (5) | Total marks |
|-------|---|-----------|-----------------------|------------------|----------------|------------------|-------------|
| 1 | Changing trends and careers in physical education | 04 | 01 | 01 | 02 | 01 | 22 |
| 2 | Olympic Value Education | 03 | 01 | 01 | | | 08 |
| 3 | Yoga | 05 | 01 | | 01 | | 11 |
| 4 | Physical Education and Sports for Children with Special Needs | 03 | 02 | 02 | | 01 | 15 |
| 5 | Physical Fitness, Health, and Wellness | 03 | | | | 01 | 14 |
| | Total | 18 | 10 | 15 | 12 | 15 | 70 |

FINE ARTS

| UNIT | MCQ (1) | 2 Marks | 4 Marks | Total |
|--|----------------|-----------------|-----------------|-----------------|
| 1. Art & the Culture | - | 1 | - | 2 Marks |
| 2. Prehistoric Rock Paintings | 1 | 1 | 1 | 7 Marks |
| 3. Art of Indus Valley | 1 | 1 | 1 | 7 Marks |
| 4. Art during Mauryan, Shunga, Kushana & Gupta Periods | 1 | 1 | 1 | 7 Marks |
| 5. Origin & Development of Different Forma of Fine Arts in India | 1 | 1 | 1 | 7 Marks |
| Total | 4 Marks | 10 Marks | 16 Marks | 30 Marks |