



**BK BIRLA CENTRE FOR EDUCATION**  
SARALA BIRLA GROUP OF SCHOOLS  
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL



**PERIODIC TEST 2 (2024-25)**  
**(02.12.24 – 09.12.24)**  
**Syllabus and Blueprint**

**Grade XI**

**ENGLISH**

Typology		MCQ/Objective/VSAQ 1 Mark	SAQ 2 Mark	LAQ 3 Marks	VLAQ 4 Marks	Total
Reading Skills	Unseen Passage	7				7
Writing	Article Writing/ Notice writing				1	4
Grammar	Editing or Omission	4				4
Literature	1. The Lubrnum Top 2. Birth 3. The Adventure 4. The Voice of the Rain	3	2	1		10
Total		14 x 1 = 14	2 x 2 = 4	1 x 3 = 3	1 x 4 = 4	25

**MATHEMATICS**

LESSONS	1 Marks MCQ	1 A and R	2 Marks VSA	3 Marks SA	TOTAL
1. BINOMIAL THEOREM	2	1	2	2	13
2. SEQUENCES AND SERIES	2	–	2	2	12
TOTAL	4x1=4	1x1=1	4x2=8	4x3=12	25

**CHEMISTRY**

Unit No	Name of the unit	1 Mark (mcq)	2 Marks Q's	3 Marks Q's	Total
5	Chemical Thermodynamics	3(3)	2(4)	2(6)	7(13)
8	Organic Chemistry: Some basic principles and techniques	2(2)	2(4)	2(6)	6(12)
	<b>Total</b>	<b>5(5)</b>	<b>4(8)</b>	<b>4(12)</b>	<b>13(25)</b>

### PHYSICS

Sl. No	Chapter's name	1M (MCQ)	1 M ( A/R)	2M	3M	Total (Marks)
1.	Ch-7 Gravitation	2 (2)	1 (1)	2 (4)	2 (6)	7 (13)
2.	Ch-8 Mechanical Properties of Solids	1 (1)	1 (1)	2 (4)	2 (6)	6 (12)
<b>Total</b>		<b>3 (3)</b>	<b>2 (2)</b>	<b>4 (8)</b>	<b>4 (12)</b>	<b>13 (25)</b>

### BIOLOGY

Chapter no.	Chapter name	1M MCQs	2M Ques	3M Ques	Total 12(25)
L-10	Cell cycle and cell division	1	2	1	4(8)
L-13	Photosynthesis in higher plants	1	2	1	4(8)
L-14	Respiration in plants	1	1	2	4(9)
		3(3)	5(10)	4(12)	12(25)

### APPLIED MATHEMATICS

S.No.	Chapter name	MCQ (01)	VSA (02)	SA (03)	Total
1.	LIMITS	5	1	2	13
2.	DERIVATIVES	5	2	1	12
	<b>TOTAL</b>	10	06	09	25

### INFORMATION TECHNOLOGY

Ch.No	Chapter Name	Objective Type 1 Mark Each	Short Questions 2 Marks Each	Long Questions 2.5 Marks Each	Total Questions
9	Part B : Word Processing	4	2	1	7
10	Part B : Spreadsheets	4	2	1	7
11	Part B : Office Impress	4	2	1	7
	<b>Total Questions</b>	<b>12</b>	<b>6</b>	<b>3</b>	
	<b>No. of questions to be answered</b>	<b>12</b>	<b>4</b>	<b>2</b>	
	<b>Total Marks</b>	<b>12x1=12</b>	<b>4x2=8</b>	<b>2x2.5 = 5</b>	<b>25</b>

### ARTIFICIAL INTELLIGENCE

Ch.No	Chapter Name	Objective Type 1 Mark Each	Short Questions 2 Marks Each	Long Questions 3 Marks Each	Total Questions
<b>13</b>	Natural Language Processing	5	3	-	8
<b>14</b>	AI Ethics and Values	5	3	1	9
	<b>Total Questions</b>	10	6	1	18
	<b>Total Marks</b>	<b>10x1=10</b>	<b>6x2=12</b>	<b>1x3=3</b>	<b>25</b>

### ECONOMICS

Sr. No	Unit	Name of Topic	1 mark	2 marks	4 marks	6 marks	Total
1.	7	Forms of Market	1(2)	2(3)	4(1)	----	12(5)
2.		Price Determination under Perfect Competition	1(3)	---	4(1)	6(1)	13(5)
<b>Total 25(10)</b>							

### POLITICAL SCIENCE

CHAPTER NO.	NAME OF CHAPTERS	MARKS (NUMBER OF QUESTIONS)				TOTAL MARKS
		1(MCQ'S)	2(V. Short Answer)	4 (Short Answer)	6( Long Answer)	
1	Equality	3	1	1		9
2	Social Justice	2	2	1	1	16
	<b>TOTAL</b>	5	6	8	6	25

### HISTORY

CHAPTER NO.	NAME OF CHAPTERS	MARKS (NUMBER OF QUESTIONS)				TOTAL MARKS
		1(MCQ'S)	2(V. Short Answer)	4 (Short Answer)	6( Long Answer)	
1	Changing Cultural Traditions	3	1	1		9
2	Displacing Indigenous Peoples	2	2	1	1	16
	<b>TOTAL</b>	5	6	8	6	25

### ACCOUNTANCY

CHAPTER NO.	CHAPTERS NAME	MARKS (NUMBER OF QUESTIONS)				TOTAL MARKS
		1(MCQ, ARQ)	3 (SATQ-I)	4 (SATQ-II)	6 (LATQ)	
11	SPECIAL PURPOSE BOOKS II-OTHERS BOOKS	2	1	2		13
14	TRIAL BALANCE	3	1		1	12
	<b>TOTAL</b>	5	6	8	6	25

### BUSINESS ADMINISTRATION

CHAPTER NO.	CHAPTERS NAME	MARKS (NUMBER OF QUESTIONS)				TOTAL MARKS
		1(OTQs)	2 (SATQs-I)	3 (SATQs-II)	4 (LATQs)	
6	BUSINESS CORRESPONDENCE	2	2	1	1	13
7	FUNCTIONAL AREA OF MANAGEMENT	3	1	1	1	12
	<b>TOTAL</b>	5	6	6	8	25

### ENTREPRENEURSHIP

Time: 1 Hr.		M:M: 25					
Sr. No.	Chapter/Unit	Topic	1 Mark	2 Marks	3 Marks	5 Marks	Total
			(MCQ) & (ARQ)	(SATQ –I)	(SATQ-II)	(LATQ )	
1	<u>CH 4.</u>	Entrepreneurship as Innovation and Problem Solving	3	1	1	-----	8
2	<u>CH 5.</u>	Concept of Market	3	3	1	1	17
		<b>TOTAL</b>	1X6=6	2X4= 8	2X3 = 6	1X5=5	25

## BUSINESS STUDIES

Time: 1 Hr.			M:M: 25				
Sr. No.	Chapter/Unit	Topic	1 Mark (MCQ) & (ARQ)	3 Marks (SATQ –I)	4 Marks (SATQ-II)	6 Marks (LATQ )	Total
1	<u>CH 5.</u>	Emerging Modes of Business	2	1	1		9
2	<u>CH 6.</u>	Social Responsibility of Business and Business Ethics	3		1		7
3	<u>CH 7.</u>	Sources of Business Finance		1		1	9
		<b>TOTAL</b>	1X5=5	3X2= 6	4X2 = 8	1X6=6	25

## PSYCHOLOGY

CHAPTER NO.	CHAPTERS NAME	MARKS (NUMBER OF QUESTIONS)				TOTAL MARKS
		1(MCQ'S)	3(Short Answer-I)	4(Short Answer-II)	6( Long Answer)	
7	Thinking	5	2	2	1	25
	<b>TOTAL</b>	5	6	8	6	25

## PHYSICAL EDUCATION

Sr.no	Topic	MCQ (1)	Very short answer (2)	Short answer (3)	Total marks
<b>1</b>	<b>Physical Fitness wellness and Lifestyle</b>				
1.1	Meaning and importance of wellness, and Physical Fitness	1	1		3
1.2	Components/ Dimensions of wellness, Health and Physical Fitness	1	1	1	6
1.3	Traditional sports and Regional Games for promotion wellness leadership quality through physical activity and sports	1	1		3
<b>2</b>	<b>Test measurement and evaluation</b>				
2.1	Test Measurement and Evaluation	2	1		4
2.2	Calculation of BMI, waist-hip ratio, Skin Fold Measurement	1	1	1	6
2.3	Somatoo types (Endomorphy, Mesomorph and Ectomorph)	1	1		3
	<b>Total</b>	<b>7</b>	<b>12</b>	<b>6</b>	<b>25</b>

## PAINTING

<b>UNIT</b>	<b>MCQ</b>	<b>2M</b>	<b>5M</b>	<b>Total</b>
<b>CH-4&amp; 5 Prehistoric Rock Paintings, Art of Indus Valley.</b>	<b>2</b>	<b>1</b>		<b>4M</b>
<b>CH- 6&amp;7 The Art during Mauryan, Shunga, Kushna and Gupta Periods. The Art of Ajanta Caves.</b>	<b>3</b>	<b>3</b>		<b>9M</b>
<b>CH-8,9,10, Temple Sculptures, Bronzes and Artistic Aspects of Indo- Islamic Architecture</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>12M</b>
<b>Total</b>	<b>8M</b>	<b>12M</b>	<b>5M</b>	<b>25M</b>