



B.K. BIRLA CENTRE FOR EDUCATION

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



PRE-BOARD 1

(04.11.25 – 17.11.25)

GRADE XII

Blueprint and Syllabus

ENGLISH CORE (301)

		MCQ/ VSAQ 1	VSAQ 2	LAQ 4	VLAQ 5	TOTAL
Reading	Two unseen Passages	14	4			22
Writing	Notice Formal/Informal Invitation & Reply, Letter Writing, Article Report Writing			2	2	18
Literature	PROSE: The Last Lesson Lost Spring Deep Water The Rattrap Indigo Interview Poets and Pancakes Going Places POETRY: My Mother at 66 Keeping Quiet A Thing of Beauty A Roadside Stand Aunt Jennifer's Tiger SUPPLEMENTARY: The Third Level The Tiger King Journey to the End of the Earth The Enemy Memories of Childhood On the face of it	6+4+6	5+2		2	40
	TOTAL	30	22	8	20	80

MATHEMATICS

Chapter Name	1M MCQ	2M	3M	5M	4M (CB)	TM
Relation and Functions	1	1	1	–	–	06
Inverse Trigonometry	2		–	–	–	02
Matrices	1	–		–	1	05
Determinants		–		1	–	05

Continuity and Derivatives	2	-	1	—		05
Application of Derivatives	1	-	-	1	1	10
Integration	3	2	1			10
Application of Integration	--	--	-	1	—	05
Differential Equation	2	-	1	-	-	05
Vectors	3	2		—	—	07
3D Geometry	4	—	1	-		07
Linear Programming	-	—	-	1	—	05
Probability	1	-	1	-	1	08
Grand Total	20	5	6	4	3	80

APPLIED MATHEMATICS

Chapter Name	1M MCQ	2M	3M	5M	4M (CB)	TM
1.NUMBERS QUANTIFICATION	2	1	2	—	1	14
2. NUMERICAL INEQUALITIES	1		—	—	—	1
3. MATRICES	2	—		1	—	7
4. DETERMINANTS	3	—	—		—	3
5. DIFFERENTIATION	1	—	—	—		1
6. APPLICATION OF DERIVATIVES			1	1	1	12
7. INTEGRALS	1	—	—	—		1
8. DIFFRENTIAL EQUAATIONS	1		1	—	—	4
9. PROBABILITY	2	2			1	10
10. INFERENCEAL STATISTICS	2			—	—	2
11. TIME BASED DATA	1	—	—	1		6
12. PERPETUITY, SINKING FUND AND EMI	3	—	1	1	—	11
13. DEPRECIATION		2	—		—	4
14. LINEAR PROGRAMMING	1	—	1	—	—	4
Grand Total	20	5	6	4	3	80

PHYSICS

Sl. No	Chapter's name	1M (MCQ)	1M (A/R)	2M	3M	Case study - 4 M	5M	Total (Marks)
1.	Electric fields and charges	1	1	---	---	---	---	2(2)
2.	Electrostatic potential and capacitance	---	---	1	---	---	1 or 1	2 (7)
3.	Current electricity	1	---	1	1	---	---	3(6)
4	Moving charges and magnetism	2	---	---	1 or 1	---	---	3 (5)

5	Magnetism and matter	---	---	1 or 1	---	---	---	1 (2)
6	Electromagnetic Inductions	1	---	---	1	---	---	2 (4)
7	Alternating Currents	2	---	---	---	---	1 or 1	3 (7)
8	Electromagnetic waves	1	---	1	---	---	---	2(3)
9	Ray Optics and optical instruments	1	1	---	1	---	1 or 1	4(10)
10	Wave optics	1	1	---	1	---	---	3(5)
11	Dual Nature of Radiation and Matter	---	---	1 or 1	---	1 (2+1+1)	---	2(6)
12	Atoms	1	1	---	---	---	---	2(2)
13	Nuclei	1	---	---	1	---	---	2(4)
14	Semiconductor: materials, devices and simple circuits	---	---	---	1	1 (1+1+1+1)	---	2(7)
Total		12 (12)	4 (4)	5 (10)	7 (21)	2 (8)	3 (15)	33 (70)

CHEMISTRY

Chapters	Passage type(4)	MCQ(1)	ASSERTION/REASON	SA TYPE(2)	S A TYPE(3)	LA TYPE(5)	Total
1.Solution				1		1Or1	2 (7)
2.Electrochemistry		3	1	1or 1	1		6 (9)
3.Chemical kinetics		1	1	1	1		4 (7)
4.d-f block elements	1	1		1			3 (7)
5.Co-ordination compound		2				1Or 1	3 (7)
6. Halo alkane and Halo arene		1		1	1		3 (6)
7. Alcohol Phenol and Ether					2		2 (6)
8. Aldehyde Ketone and Carboxylic Acid					1	1Or1	2 (8)
9. Amines		2	1		1 Or 1		4 (6)
10. Biomolecules	1	2	1				4 (7)
TOTAL	2(8)	12(12)	4(4)	5(10)	7(21)	3(15)	33 (70)

BIOLOGY

Sl. No	Chapter's name	1M (MCQ)	1M (A/R)	2M	3M	Case study 4 M	5M	Total (marks)
1	Sexual reproduction in flowering plants	2(2)	1(1)	1 OR 1(2)	-	1(4)	-	5(9)
2	Human reproduction	1(1)	-	-	1(3)	-	-	2(4)
3	Reproductive health	-	-	-	1(3)	-	-	1(3)
4	Principles of inheritance and variation	2(2)	-	-	1(3)	-	-	3(5)
5	Molecular basis of inheritance	3(3)	-	1(2)	-	-	1 OR 1 (5)	5(10)
6	Evolution	1(1)	1(1)	-	1(3)	-	-	3(5)
7	Human health and disease	1(1)	1(1)	1(2)	-	1(4)	-	4(8)
8	Microbes in human welfare	1(1)	-	-	1(3)	-	-	2(4)
9	Biotechnology: Principles and Processes	1(1)	-	1 OR 1(2)	-	-	1 OR 1(5)	3(8)
10	Biotechnology and its application	-	1(1)	-	1(3)	-	-	2(4)
11	Organisms and Populations	-	-	-	1(3)	-	-	1(3)
12	Ecosystem	-	-	1 OR 1 (2)	-	-	-	1(2)
13	Biodiversity and conservation	-	-	-	-	-	1 OR 1(5)	1(5)
TOTAL		12 (12)	4 (4)	5 (10)	7(21)	2 (8)	3(15)	33(70)

ECONOMICS

Section-A Macro Economics					
Unit name	1 mark	3 Marks	4 Marks	6 marks	Total
National Income	1(1)	3(1)		6 (1)	10
Money and Banking	1(2)	---	4 (1)		6
Income determination	1(4)	---	4 (2)		12
Government Budget	---	---	---	6 (1)	6
Balance of Payment	1(3)	3(1)	---		6
Section A	10 x 1=10	2 x 3=6	3 x 4=12	2 x 6=12	40
Section- B Indian Economic Development					
Development Experience and Economic Reforms	1(3)	3(1)		6(1)	12
Current Challenges facing Indian Economy	1(3)	3(1)	4(2)	6(1)	20
Development Experience of India	1(4)		4(1)		8
Section B	10 x 1=10	2 x 3=6	3 x 4=12	2 x 6=12	40
Total	20 x 1=20	4 x 3=12	6 x 4=24	4 x 6=24	34(80)

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ACCOUNTANCY

CHAPTER NO.	NAME OF CHAPTERS	MARKS (NUMBER OF QUESTIONS)				TOTAL MARKS
		1 Mark MCQ & ARQ	3 Marks SATQ –I	4Marks SATQ-II	6 Marks LATQ	
1	Partnership Fundamental	1	1			4
2	Goodwill	2	1			5
3	Change in PSR	2	1			5
4	Admission of a Partner	2			1	8
5	Retirement and Death of a Partner	2		1		6
6	Dissolution of a Partnership firm	2			1	8
7	Issue of Share	3		1	1	13
8	Issue of Debenture	2	1		1	11
9	Financial Statement Analysis	1	1			4
10	Accounting Ratios	2	1	1		9
11	Cash Flow Statement	1			1	7
	TOTAL	20	18	12	30	80

BUSINESS STUDIES

Sr. No	Chapter /Unit	Topic	1 Mark (MCQ) & (ARQ)	3 Marks (SATQ – I)	4 Marks (SATQ-II)	6 Marks (LATQ)	Total
1	CH 1	Nature & Significance of management	2	1			5
2	CH 2	Principles of Management	2		1		6
3	CH 3	Business Environment	1		1		5
4	CH 4	Planning	1		1		5
5	CH 5	Organizing		1		1	9
6	CH 6	Staffing	2		1		6
7	CH 7	Directing	3			1	9
8	CH 8	Controlling	1		1		5
9	CH 9	Financial Management	4			1	10
10	CH 10	Financial Market	2	1			5
11	CH 11	Marketing	2	1	1		9

12	CH 12	Consumer Protection				1	6
		TOTAL	20	12	24	24	80

BUSINESS ADMINISTRATION

Sr. No	Chapter /Unit	Topic	1 Mark (MCQ) & (ARQ)	2 Marks (SATQ – I)	2 Marks (SATQ-II)	5 Marks (LATQ)	Total
	PART A	EMPLOYABILITY SKILL (7 MARKS)					
1		Communication Skills – IV	1		1		2
2		Self- Management Skills-IV	2		1		3
3		Information and Communication Technology Skills-IV	1		1		2
4		Entrepreneurial Skills-IV	1		1		2
5		Green Skills-IV	1		1		2
		TOTAL QUESTIONS	6		5		11
		NO. OF QUESTIONS TO BE ANSWERED	ANY 4		ANY 3		ANY 7
		TOTAL MARKS	1 x 4 = 4		2 x 3 = 6		10 Marks
	PART B	SUBJECT SPECIFIC SKILLS (18 MARKS)					
1		Introducing to management	4			1	5
2		Concept of management	6	1	1		8
3		Functions of management - Communication - Motivation - Leadership	16	3	2	1	22
4		Social responsibility of business	3		1	1	5
5		Information technology & business	3		1	1	5
		TOTAL QUESTIONS	32	4	5	4	45
		NO. OF QUESTIONS TO BE ANSWERED	26	ANY 3	ANY 3	ANY 3	34
		TOTAL MARKS	1 x 26 = 26	3 x 2 = 6	3 x 2 = 6	5 x 3 = 12	50 Marks

ENTREPRENEURSHIP

Sr. No.	NAME OF CHAPTERS	MARKS (NUMBER OF QUESTIONS)				TOTAL MARKS
		1(MCQ'S)	2(Short Answer)	3 (Short Answers)	5 (Long Answer)	
1	Entrepreneurial Opportunity	2			1	7
2	Entrepreneurial Planning	3	1	1	1	13
3	Enterprise Marketing	3	1	1	1	13
4	Enterprise Growth Strategies	4	1	1	1	14
5	Business Arithmetic	3	1	1		8
6	Resource Mobilisation	3	2	1	1	15
	TOTAL	18	12	15	25	70

HISTORY

CHAPTER NO.	NAME OF CHAPTERS	MARKS (NUMBER OF QUESTIONS)					TOTAL MARKS
		1(MCQ'S)	3(Short Answer)	4 (Case Study)	8(Long Answer)	Map Items of 5 Marks	
1	BRICKS, BEADS AND BONES	1	1			1	5
2	KINGS, FARMERS AND TOWNS	1		1		1	6
3	KINSHIP, CASTE AND CLASS	1		1			5
4	THINKERS, BELIEFS AND BUILDINGS	2			1		10
5	THROUGH THE EYES OF TRAVELLERS	2	1				5
6	BHAKTI –SUFİ TRADITIONS	2	1				5
7	AN IMPERIAL CAPITAL: VIJAYANAGARA	2		1		1	7
8	PEASANTS, ZAMINDARS AND THE STATES	2	1				5
9	COLONIALISM AND THE COUNTRYSIDE	2	1				5
10	REBELS AND RAJ	2	1			1	6

11	MAHATMA GANDHI AND THE NATIONAL MOVEMENT	2			1	1	11
12	FRAMING OF THE CONSTITUTION	2			1		10
	TOTAL	21	18	12	24	5	80

POLITICAL SCIENCE

CHAPTER 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	THE END OF BIPOLARITY	1	1		1		7
2	CONTEMPORARY CENTRES OF POWER	1	1				3
3	CONTEMPORARY SOUTH ASIA	1	1		1		7
4	INTERNATIONAL ORGANIZATIONS	1	1				3
5	SECURITY IN THE CONTEMPORARY WORLD	1	1				3
6	ENVIRONMENT AND NATURAL RESOURCES	1	1			1	9
7	GLOBALISATION	1		1			5
8	CHALLENGES OF NATION BUILDING	1		1			5
9	ERA OF ONE-PARTY DOMINANCE	1		1			5
10	POLITICS OF PLANNED DEVELOPMENT	1		1			5
11	INDIA'S EXTERNAL RELATIONS	1		1			5
12	CHALLENGES TO AND RESTORATION OF THE CONGRESS SYSTEM	1				1	7
13	THE CRISIS OF DEMOCRATIC ORDER				1		4
14	REGIONAL ASPIRATIONS					1	6
15	RECENT DEVELOPMENTS IN INDIAN POLITICS T					1	6
	TOTAL	12	12	20	12	24	80

PSYCHOLOGY

Sr. NO.	CHAPTERS NAME	MARKS (NUMBER OF QUESTIONS)						TOTAL MARKS
		1(M CQ'S)	2(Very Short Answer -I)	3(Short Answer -II)	4(Long Answer)	6(Long Ans wer)	3(Case study)	
1	Variations in Psychological Attributes	2	1	1		1		13
2	Self and Personality	2	1	1		1		13
3	Meeting Life Challenges	2	2		1			10
4	Psychological Disorders	2	1	1	1			11
5	Therapeutic Approaches	2		1	1			9
6	Attitude and Social Cognition	2					2	8
7	Social Influence and Group Processes	2			1			6
	TOTAL	14	10	12	16	12	6	70

ARTIFICIAL INTELLIGENCE

PART A - EMPLOYABILITY SKILLS (10 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	
1	Communication Skills - IV	1	1	2
2	Self-Management Skills - IV	2	1	3
3	ICT Skills - IV	1	1	2
4	Entrepreneurial Skills - IV	1	1	2
5	Green Skills - IV	1	1	2
TOTAL QUESTIONS		6	5	11
NO. OF QUESTIONS TO BE ANSWERED		Any 4	Any 3	07
TOTAL MARKS		1 x 4 = 4	2 x 3 = 6	10 MARKS

PART B - SUBJECT SPECIFIC SKILLS (40 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANS. TYPE QUES.	DESCRIPTIVE/ LONG ANS. TYPE QUES.	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	4 MARKS EACH	

1	Python-Programming-II	3	-	1	4
2	Data Science Methodology: An Analytic Approach to Capstone project	3	1	1	5
3	Making Machine See	3	1	1	5
5	Introduction to Big Data and Data Analytics	3	1	-	4
6	Understanding Neural Networks	4	1	1	6
7	Generative AI	4	1	1	6
8	Data Storytelling	4	1	-	5
TOTAL QUESTIONS		24	6	5	35
NO. OF QUES. TO BE ANSWERED		20	Any 4	Any 3	27
TOTAL MARKS		1 x 20 = 20	2 x 4 = 8	4 x 3 = 12	40 MARKS

INFORMATION TECHNOLOGY

PART A - EMPLOYABILITY SKILLS (10 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	
1	Communication Skills - IV	1	1	2
2	Self-Management Skills - IV	2	1	3
3	ICT Skills - IV	1	1	2
4	Entrepreneurial Skills - IV	1	1	2
5	Green Skills - IV	1	1	2
TOTAL QUESTIONS		6	5	11
NO. OF QUESTIONS TO BE ANSWERED		Any 4	Any 3	07
TOTAL MARKS		1 x 4 = 4	2 x 3 = 6	10 MARKS

PART B - SUBJECT SPECIFIC SKILLS (50 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANS. TYPE QUES. - I	SHORT ANS. TYPE QUES. - II	DESCRIPTIVE / LONG ANS. TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	3 MARKS EACH	4 MARKS EACH	
1	Database Concepts	10	2	1	1	14
2	Operating Web based	9	0	0	1	10

	Applications					
3	Fundamentals of Java Programming	12	2	1	3	18
4	Work Integrated Learning IT	1	1	1	0	3
TOTAL QUESTIONS		32	5	3	5	45
NO. OF QUESTIONS TOBE ANSWERED		26	Any 3	Any 2	Any 3	34
TOTAL MARKS		1 x 26 = 26	2 x 3 = 6	3 x 2 = 6	4 x 3 = 12	50 MARKS

PHYSICAL EDUCATION

UNIT	NAME OF THE CHAPTER	1 Mark	2 Mark	3 Mark	4 Mark	5 Mark	Total
Unit: 1	Management of Sporting Events	2 (2)	1 (2)	---	---	1 (5)	4 (9)
Unit: 2	Children & Women in Sports	2 (2)	1 (2)	1 (3)	---	---	4 (7)
Unit: 3	Yoga as Preventive Measure for Lifestyle Disease	2 (2)	---	1 (3)	1 (4)	---	4 (9)
Unit: 4	Physical Education and Sports for CWSN (Children with Special Needs – DIVYANG)	2 (2)	1 (2)	---	1 (4)	---	4 (8)
Unit: 5	Sports and Nutrition	1 (1)	1 (2)	---	---	1 (5)	3 (8)
Unit: 6	Test and Measurement in Sports	2 (2)	1 (2)	1 (3)	---	---	4 (7)
Unit: 7	Physiology and Injuries in Sports	1 (1)	---	1 (3)	---	1 (5)	3 (9)
Unit: 8	Biomechanics and Sports	2 (2)	---	---	---	1 (5)	3 (7)
Unit: 9	Psychology and Sports	2 (2)	1 (2)	1 (3)	---	---	4 (7)
Unit: 10	Training in Sports	2 (2)	---	1 (3)	1 (4)	---	4 (9)
Total		18 (18) MCQ	5 (10) OUT of 6 (12)	5 (15) OUT of 6 (18)	3 (12) Internal Choice	3 (15) OUT of 4 (20)	34 (70) OUT of 37 (80)

FINE ARTS

UNIT	Section A MCQ (1)	Section B (2 Marks)	Section C 6 Marks	Total
1. Introduction to the Bengal School of Painting	2	1	-	4 Marks
2. Study of the Paintings of the Bengal School	2	1	1	10 Marks
3. Evolution of the Indian National Flag	2	1	-	4 Marks
4. Modern Trends in Indian Art	2	2	1	12 Marks
Total	8 Marks	10 Marks	12 Marks	30 Marks