



BK BIRLA CENTRE FOR EDUCATION
SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL
ANNUAL EXAMINATION (2024-25)
(15.02.25 – 27.02.25)



Syllabus and Blueprint

Grade XI

ENGLISH

Typology		1	2	3	5	6	Total
Reading Skills	Three Unseen Passage	10+8+8					26
Writing	Notice, Article, Letter, Invitation			2	2		16
Grammar	Substitution, Omission, Rearrangement of sentences, Tenses.	7					7
Literature	-Portrait of a Lady -Address - We're not Afraid to Die...if we can be together -Mother's day -Laburnum Top -Voice of the Rain -Adventure -Father to the son -Tale of the Melon City -Childhood -Silk Road	3+3+4	3	1		2	31
Total		43	6	9	10	12	80

MATHEMATICS

S.No.	Chapter name	VSA (01)	A&R (01)	VSA (02)	SA (03)	LA (05)	CBIU (04)	TOTAL
1.	SETS	2				1	1	11
2.	RELATIONS AND FUNCTIONS	2			1			05
3.	TRIGONOMETRIC FUNCTIONS	2		1	1	1		12
4.	COMPLEX NUMBER AND QUADRATIC EQUATIONS	1						01
5.	LINEAR INEQUALITIES	1		1	1			06
6.	PERMUTATION AND COMBINATIONS	1		1			1	07
7.	BINOMIAL THEOREM	1				1		06
8.	SEQUENCES AND SERIES	1		1				03
9.	STRAIGHT LINE	1	1					02
10.	CONIC SECTION	1			1			04
11.	INTRODUCTION TO THREE DIMENSIONAL GEOMETRY	1						01
12.	LIMITS AND DERIVATIVES	1	1	1	1	1		12
13.	STATISTICS	1						01
14.	PROBABILITY	2			1		1	09
	Total	18(1)	02(1)	5(2)	6(3)	4(5)	3(4)	38(80)

APPLIED MATHEMATICS

S.NO	CHAPTER	1M	2M	3M	5M	4M	TOTAL
1	BINARY NUMBERS	1					1
2	INDICES AND LOGARITHMS	2	1				4
3	QUANTIFICATION AND NUMERICAL APPLICATIONS	1	1	1		1	10
4	SETS AND RELATIONS	1		1			4
5	SEQUENCE AND SERIES	2		1		1	9
6	PERMUTATION AND COMBINATION	2		1		1	9
7	FUNCTIONS	3	1				5
8.	LIMITS AND CONTINUITY	2					2
9.	DIFFERENTIATION	1	1				3
10.	PROBABILITY	1		1	1		9
11.	DESCRIPTIVE STATISTICS	1			1		6
12.	COMPOUND INTEREST AND ANNUITIES	2			1		7
13.	TAXATION	1			1		6
14.	STRAIGHT LINES		1				2
15.	CIRCLE AND PARABOLA			1			3
		20	5	6	4	3	38(80M)

PHYSICS

Sl. No	Chapter's name	1M (MCQ)	1M (A/R)	2M	3M	Case study - 4 M	5M	Total (Marks)
1.	Chapter–1: Units and Measurements	1	---	---	1	---		2 (4)
2	Chapter–2: Motion in a Straight Line Chapter–3: Motion in a Plane	3	1	1 or 1	1	1 (1+1+1+1 or1)	---	7 (13)
3	Chapter–4: Laws of Motion	---	1	1	1	---	---	3 (6)
4	Chapter–5: Work, Energy and Power	1	---	1	1	---	---	3 (6)
5	Chapter–6: System of Particles and Rotational Motion	2	---	---	1	---	---	3 (5)
6	Chapter–7 Gravitation	---	1	---	---	---	1 or 1	2 (6)
7	Chapter–8: Mechanical Properties of Solids Chapter–9: Mechanical Properties of Fluids Chapter–10: Thermal Properties of Matter	3	1	--	1 or 1	---	1 or1	6 (12)
8	Chapter–11: Thermodynamics	2	---	1	---		---	3 (4)
9	Chapter–12: Kinetic Theory	---	---	---	---	1 (1+1+1+1 or1)	---	1(4)
10	Chapter–13: Oscillations Chapter–14: Waves		---	1	1	---	1 or 1	3 (10)
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	1(1)	1(1)	1(2)	1(3)			4(7)
2	Structure of Atom	2(1)			1(3)	1(4)		4(9)
3	Classification of Elements and Periodicity in Properties	1(1)					1(5)or 1(5)	2(6)
4	Chemical Bonding and Molecular Structure	1(1)	1(1)				1(5) or 1(5)	3(7)
5	Chemical Thermodynamics	1(1)			1(3) or 1(3)			1(4)
6	Equilibrium	2(1)		1(2)	1(3)			4(7)
7	Redox reactions	2(1)		2(2)	1(3)			5(9)
8	Organic Chemistry: Some basic principles and techniques	1(1)	1(1)		1(3)	1(4)		4(9)
9	Hydrocarbons	1(1)	1(1)	1(2) or 1(2)	1(3)		1(5)or 1(5)	5(12)
	Total	12(12)	4(4)	5(10)	7(21)	2(8)	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	Chapter-1: The Living World	1	1	-	-	-	-	2(2)
2	Chapter-2: Biological Classification		-	-	1	-	-	1(3)
3	Chapter-3: Plant Kingdom	3	1	-	-	-	-	4(4)
4	Chapter-4: Animal Kingdom	2	-	-	-	1 (1+2+1or1)		3(6)
5	Chapter-5: Morphology of Flowering Plants	-	-	-	1	-	-	1(3)
6	Chapter-6: Anatomy of Flowering Plants	-	-	-	1	-	-	1(3)
7	Chapter-7: Structural Organisation in Animals	1	-	-	1	-	-	2(4)
8	Chapter-8: Cell-The Unit of Life	1	1	-	1	-	-	3(5)
9	Chapter-9: Biomolecules	-	-	-	-	-	1	1(5)
10	Chapter-10: Cell Cycle and Cell Division	3	-	1		-	-	4(5)
11	Chapter-13: Photosynthesis in Higher Plants	1	-	-	1	-	-	2(4)
12	Chapter-14: Respiration in Plants	-	1	-	1	-		2(4)
13	Chapter-15: Plant - Growth and Development	-	-	1	-	-	-	1(2)
14	Chapter-17: Breathing and Exchange of Gases	-	-	1	-	-	-	1(2)
15	Chapter-18: Body Fluids and Circulation	-	-	-	-	1 (1+2+1 or1)	-	1(4)
16	Chapter-19: Excretory Products and their Elimination	-	-	1	-	-	-	1(2)
17	Chapter-20: Locomotion and Movement	-	-	-	-	-	1 or 1	1(5)
18	Chapter-21: Neural Control and Coordination	-	-	-	-	-	1 or 1	1(5)
19	Chapter-22: Chemical Coordination and Integration	-	-	1	-	-	-	1(2)
TOTAL		12 (12)	4 (4)	5 (10)	7 (21)	2 (8)	3 (15)	33(70)

ECONOMICS

S. No.	Unit	Topic	1 mark	3 marks	4 marks	6 marks	Total
SECTION - A (STATISTICS) 40 Marks							
1.	Unit - 1	Introduction	1(1)	3(1)			4(2)
2.	Unit - 2 (15)	Collection, Organisation & Presentation of data.	1(3)		4(2)		11(5)
3.		Unit - 3 (25)	Statistical tools and interpretation	1(6)	3(1)	4(1)	6(2)
SECTION - B (MICRO ECONOMICS) 40 Marks							
4.	Unit - 4 (4)	Introduction	1(1)	3(1)			4(2)
5.	Unit - 5 (14)	Consumer's Equilibrium and Demand	1(1)	3(1)	4(1)	6(1)	14(4)
6.	Unit - 6 (14)	Producer's Behaviour and Supply	1(4)		4(1)	6(1)	14(6)
7.	Unit - 7 (8)	Forms of Market and Price Determination under Perfect Competition with Simple Applications	1(4)		4(1)		8(5)
			20(20)	12(4)	24(6)	24(4)	(80)34

ACCOUNTANCY

UNIT / Chapt er	Topic	1 Mark (MCQ)	3 Marks (SA –I)	4 Marks (SA-II)	6 Marks (LATQ)	Total
#	Part A: Financial Accounting-I (56 Marks)					Marks (Questions)
Unit-1	Theoretical Framework					12 (6)
CH1	Introduction to Accounting	1(1)	3(1)			
CH2	Basic Accounting Terms		3(1)			
CH3	Theory Base of Accounting, Accounting Standards		3(1)			
CH4	Bases of Accounting	1(1)				
CH12	Accounting for Goods and services Tax (GST)	1(1)				
Unit-2	Accounting Process					44 (21)
CH5	Accounting Equation	1(2)				
CH6	Accounting Procedures- Rules of Debit and Credit	1(2)				
CH7	Origin of transactions –Source documents and Preparations of Vouchers	1(1)				
CH8	Journal	1(1)			6(1)	
CH9	Ledger	1(1)				
CH10	Special Purpose Books I- Cash Bok	1(1)			6(1)	
CH11	Special Purpose Books I- other Books	1(2)				
CH13	Bank Reconciliation statement	1(1)		4(1)		
CH14	Trial Balance	1(1)	3(1)			
CH15	Depreciation	1(1)			6(1)	
CH16	Provision and Reserves	1(1)				
Ch17	Rectification of Errors	1(1)		4(1)		
#	Part B: Financial Accounting-II (24 Marks)					24 (7)
Unit-3	Financial Statements of Sole Proprietorship					
CH18	Financial statement of Sole proprietorship		3(1)	4(1)		
CH19	Adjustments in preparation of Financial statements	1(1)	3(1)		6(1)	
CH20	Accounts from Incomplete Records: Single Entry System	1(1)			6(1)	
	TOTAL	20 (20)	18 (6)	12 (3)	30 (5)	80 (34)

BUSINESS STUDIES

Sr. No .	Chapter/Unit	Topic	1 Mark (MCQ) & (ARQ)	3 Marks (SATQ –I)	4 Marks (SATQ-II)	6 Marks (LATQ)	Total
1	<u>CH 1.</u>	Evolution and Fundamentals of Business	1	1	---	----	4
2	<u>CH 2.</u>	Forms of Business organizations	2	----	1	--- -	6
3	<u>CH 3.</u>	Public, Private and Global Enterprises	2	----	1	--- -	6
4	<u>CH 4.</u>	Business Services	2	----	1	1	12
5	<u>CH 5.</u>	Emerging Modes of Business	2	1	----	----	5
6	<u>CH 6.</u>	Social Responsibility of Business and Business Ethics	2	1	----	----	5
7	<u>CH 7.</u>	Source of business finance	2	1	----	1	11
8	<u>CH 8.</u>	Small Business and Enterprises	3	----	1	----	7
9	<u>CH 9.</u>	Internal Trade	2	----	1	1	12
10	<u>CH 10.</u>	International Trade	2	----	1	1	12
		TOTAL	1X20= 20	3X4= 12	4X6 =24	6X4= 24	80

BUSINESS ADMINISTRATION

PART A - EMPLOYABILITY SKILLS (10 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARKS EACH	2 MARKS EACH	
1.	Communication Skills-III	1	1	2
2.	Self-Management Skills-III	2	1	3
3.	ICT Skills-III	1	1	2
4.	Entrepreneurial Skills-III	1	1	2
5.	Green Skills-III	1	1	2
TOTAL QUESTIONS		6	5	11
NO. OF QUESTIONS TO BE ANSWERED		Any 4	Any 3	07
TOTAL MARKS		1×4 = 4	2×3 = 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 MARKS EACH	2 MARKS EACH	3MARKS EACH	4 MARKS EACH	
1.	Introduction Business Operations	4	-	-	1	5
2.	Business Environment	5	1	1	-	7
3.	Products and services	4	1	-	1	6
4.	Types of organization	3	1	1	-	5
5.	Formation of partnership firm and joint stock company	4	-	1	1	6
6.	Business Correspondence	4	2	-	-	6
7.	Functional area of management	4	-	-	1	5
8.	Organizational behavior	4	-	-	1	5
TOTAL QUESTIONS		32	5	3	5	45
NO. OF QUESTIONS TO BE ANSWERED		26	Any 3	Any 2	Any 3	34
TOTAL MARKS		1×26 = 26	2×3 = 6	3×2 = 6	4×3 = 12	50 Marks

ENTREPRENEURSHIP

Sr. No .	Chapter/Unit	Topic	1 Mark (MCQ) & (ARQ)	2 Marks (SATQ –I)	3 Marks (SATQ-II)	5 Marks (LATQ)	Total
1.	<u>CH 1.</u>	Entrepreneurship: Concept and Functions	1	----	1	----	4
2.	<u>CH 2.</u>	An Entrepreneur	3	----	1	----	6
3.	<u>CH 3.</u>	Entrepreneurship Journey	3	1	----	1	10
4.	<u>CH 4.</u>	Entrepreneurship as Innovation and Problem Solving	3	1	1	1	13
5.	<u>CH 5.</u>	Concept of Market	3	1	1	1	13
6.	<u>CH 6.</u>	Business Arithmetic	3	2	1	1	15
7.	<u>CH 7.</u>	Resource Mobilisation	2	1	----	1	9
		TOTAL	1X18= 18	2X6=1 2	3X5 =15	5X5= 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)	5 (Map)	
1	Writing and City Life	3	1	1			10
2	An Empire Across Three Continents	3	1		1		14
3	Nomadic Empires	3	1	1			10
4	The Three Orders	3	1	1			10
5	CHANGING CULTURAL TRADITIONS	3	1		1		14
6	DISPLACING INDIGENOUS PEOPLE	3	1			1	11
7	PATHS TO MODERNISATION	3			1		11
	TOTAL	21	6	3	3	1	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	Constitution: Why and How?	1	1		1		7
2	Rights in the Indian Constitution		1				2
3	Election and Representation	1	1		1		7
4	Executive	1	1				3
5	Legislature	1	1				2
6	Judiciary	1		1			5
7	Federalism	1		1			5
8	Freedom	1		1			5
9	Equality	1		1			5
10	Social Justice	1		1	1		9
11	Rights		1			1	8
12	Citizenship	1				1	7
13	Nationalism	1				1	7
14	Secularism	1				1	7
	TOTAL	12	6	5	3	4	80

PSYCHOLOGY

CHAPTER NO.	CHAPTERS NAME	MARKS (NUMBER OF QUESTIONS)						TOTAL MARKS
		1(MCQ'S)	2(Very Short Answer-I)	3(Short Answer-II)	4(Long Answer)	6(Long Answer)	3(Case study)	
1	What is Psychology ?	2			1		1	9
2	Methods of Enquiry in Psychology	2	1	1		1		13
3	Human Development	2				1	1	11
4	Sensory, Attentional and Perceptual Processes	2		1	1			9
5	Learning	2	1		1			8
6	Human Memory	2	1	1				7
7	Thinking	2	1	1				7
8	Motivation and Emotion	1	1				1	6
	TOTAL	15	10	12	12	12	9	70

ARTIFICIAL INTELLIGENCE

CHAPTER NO.	CHAPTERS NAME/TOPIC	MARKS (NUMBER OF QUESTIONS)			TOTAL NO. OF QUESTIONS	TOTAL MARKS
		VSA(1)	SA(2)	LA(3)		
1	Communication Skills – III	2			2	2
2	Self-Management Skills – III	1			1	1
3	ICT Skills – III	1			1	1
4	Entrepreneurial Skills – III	1	1		2	3
5	Green Skills – III	1	1		2	3
6	Introduction: Artificial Intelligence for Everyone	1	1		2	3
7	Unlocking your Future in AI	1	1		2	3
8	Python Programming	1	1	1	3	6
9	Introduction to Capstone Project	1	2		3	5
10	Data Literacy – Data Collection to Data Analysis	1	2	1	4	8
11	Machine Learning Algorithms	1	1	1	3	6
12	Leveraging Linguistics and Computer Science	1	1	1	3	6
13	AI Ethics and Values	1	1		2	3
	TOTAL	1(14)	2(12)	3(4)	30	50

FINE ARTS AND PAINTING

UNIT	MCQ	2M	6M	Total
1. Introduction & Prehistoric Rock painting and Art of Indus valley	3	2		7M
2. Buddist, Jain and Hindu Art	3	2	1	13M
3. Temple Sculptures, Bronzes and Artistic aspects of Indo-Islamic Architecture	2	1	1	10M
Total	8M	10M	12M	30M

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	1	1	2
2	Self Management Skills - III	2	1	3
3	ICT Skills – III	1	1	2
4	Entrepreneurial Skills – III	1	1	2
5	Green Skills - III	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):

S R NO	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER QUESTIONS	LONG ANSWER QUESTIONS	VERY LONG ANSWER QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	3 MARKS EACH	4 MARKS EACH	
1	Unit 1 : Computer Organization	7	1	0	1	9
2	Unit 2 : Networking and Internet	7	1	1	1	10
3	Unit 3 : Office Automation Tools	6	1	1	1	9
4	Unit 4 : RDBMS	6	1	1	1	9
5	Unit 5 : Fundamentals of JAVA	6	1	0	1	8
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 Answ er (5)	Total marks
1	Changing trends and careers in physical education	01					01
2	Olympic Value Education	01					01
3	Yoga	02		01	01		09
4	Physical Education and Sports for Children with Special Needs	01	01	01			06
5	Physical Fitness, Health, and Wellness	02	01			01	09
6	Test Measurement and Evaluation	02		01			05
7	Fundamentals of Anatomy and Physiology in sport	02	01		01		08
8	Fundamentals of Kinesiology and Biomechanics in sports	02		01	01	01	14
9	Psychology and sports	02	01				04
10	Training and Doping in sports	03	01	01		01	13
	TOTAL	18	10	15	12	15	70

