

PRE BOARD 1 SYLLABUS - GRADE 12 -2026-2027

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ENGLISH			
UNIT NO	UNIT NAME	CHAPTER NUMBER AND CHAPTER NAME	WEIGHTAGE
1	Reading Comprehension	1. Factual, descriptive, literary 2. Case-based factual	22
2	Writing Skills	1. Notice Writing 2. Invitations & Replies 3. Article Writing 4. Report Writing 5. Letter to the Editor 6. Job Application & Biodata	18
3	Literature	Flamingo:Prose • The Last Lesson • Lost Spring • Deep Water • The Rattrap • Indigo • Poets and Pancakes • The Interview • Going Places Flamingo : Poetry • My Mother at Sixty-Six • Keeping Quiet • A Thing of Beauty • A Roadside Stand • Aunt Jennifer's Tigers Vistas: • The Third Level • The Tiger King • Journey to the End of the Earth • The Enemy • On the Face of It • Memories of Childhood - The Cutting of My Long Hair - We Too are Human Beings	40

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TOTAL	80
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MATHEMATICS			
UNIT NO	UNIT NAME	CHAPTER NUMBER AND CHAPTER NAME	WEIGHTAGE
1	Relations and Function	1.Relations and Functions 2.Inverse Trigonometric Functions	8
2	Algebra	3. Matrices 4. Determinants	10
3	Calculus	5.Continuity and Differentiability 6.Applications of Derivatives 7.Integrals 8.Application of the Integrals 9.Differential Equations	35
4	Vectors and Three dimensional geometry	10.Vectors 11.Three-dimensional Geometry	14
5	Linear programming Problems	12.Linear programming Problems	5
6	Probability	13.Probability	8
TOTAL			80

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APPLIED MATHEMATICS			
UNIT NO	UNIT NAME	CHAPTER NUMBER AND CHAPTER NAME	WEIGHTAGE
I	Numbers, Quantification and Numerical Applications	Chapter 1: Numbers, Quantification and Numerical Applications	11
II	Algebra	Chapter 2: Matrices Chapter 3: Determinant	10
III	Calculus	Chapter 4: Differentiation and its Application Chapter 5: Integration and its Application Chapter 6: Differential Equations	15
IV	Probability Distributions	Chapter 7: Probability Distributions	10
V	Inferential Statistics	Chapter 8: Inferential Statistics	05
VI	Time-based data	Chapter 9: Time-based data	06
VII	Financial Mathematics	Chapter 10: Financial Mathematics	15
VIII	Linear Programming	Chapter 11: Linear Programming	08
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PHYSICS

UNIT NO	UNIT NAME	CHAPTER NUMBER AND CHAPTER NAME	WEIGHTAGE
1	Electrostatics	Chapter–1: Electric Charges and Fields Chapter–2: Electrostatic Potential and Capacitance	16
2	Current Electricity	Chapter–3: Current Electricity	
3	Magnetic Effects of Current and Magnetism	Chapter–4: Moving Charges and Magnetism Chapter–5: Magnetism and Matter	17
4	Electromagnetic Induction and Alternating Currents	Chapter–6: Electromagnetic Induction Chapter–7: Alternating Current	
5	Electromagnetic Waves	Chapter–8: Electromagnetic Waves	18
6	Optics	Chapter–9: Ray Optics and Optical Instruments Chapter–10: Wave Optics	
7	Dual Nature of Radiation and Matter	Chapter–11: Dual Nature of Radiation and Matter	12
8	Atoms and Nuclei	Chapter–12: Atoms Chapter–13: Nuclei	
9	Electronic Devices	Chapter 14: Semiconductor Electronics: Materials, Devices and Simple Circuits	7
TOTAL			70

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CHEMISTRY			
UNIT NO	UNIT NAME	CHAPTER NUMBER AND CHAPTER NAME	WEIGHTAGE
1	Solutions	Chapter 1: Solutions	7
2	Electrochemistry	Chapter 2: Electrochemistry	9
3	Chemical Kinetics	Chapter 3: Chemical Kinetics	7
4	d -and f -Block Elements	Chapter 4: d -and f -Block Elements	7
5	Coordination Compounds	Chapter 5: Coordination Compounds	7
6	Haloalkanes and Haloarenes	Chapter 6: Haloalkanes and Haloarenes	6
7	Alcohols, Phenols and Ethers	Chapter 7: Alcohols, Phenols and Ethers	6
8	Aldehydes, Ketones and Carboxylic Acids	Chapter 8: Aldehydes, Ketones and Carboxylic Acids	8
9	Amines	Chapter 9: Amines	6
10	Biomolecules	Chapter 10: Biomolecules	7
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BIOLOGY			
UNIT NO	UNIT NAME	CHAPTER NUMBER AND CHAPTER NAME	WEIGHTAGE
1	Unit-VI Reproduction	Chapter-1: Sexual Reproduction in Flowering Plants	6
2		Chapter-2: Human Reproduction	6
3		Chapter-3: Reproductive Health	4
4	Unit-VII Genetics and Evolution	Chapter-4: Principles of Inheritance and Variation	7
5		Chapter-5: Molecular Basis of Inheritance	7
6		Chapter-6: Evolution	6
7	Unit-VIII: Biology and Human Welfare	Chapter-7: Human Health and Diseases	6
8		Chapter-8: Microbes in Human Welfare	6
9	Unit-IX Biotechnology and its Applications	Chapter-9: Biotechnology - Principles and Processes	6
10		Chapter-10: Biotechnology and its Applications	6
11	Unit-X Ecology and Environment	Chapter-11: Organisms and Populations	4
12		Chapter-12: Ecosystem	3
13		Chapter-13: Biodiversity and its Conservation	3
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ACCOUNTANCY

UNIT NO	UNIT NAME	CHAPTER NUMBER AND CHAPTER NAME	WEIGHTAGE
1	Unit 1. Accounting for Partnership Firms	Ch-1-Accounting for Partnership-Fundamentals Ch-2- Goodwill: Nature and valuation. Ch-3 Change in profit-sharing ratio Ch-4 Admission of a Partner Ch-5 Retirement of a Partner & Death of a Partner Ch-6 Dissolution of Partnership.	36
2	Unit 2. Accounting for Companies	Ch-7 Accounting for Shares Ch-8 Accounting for Debentures	24
3	Unit 3. Analysis of Financial Statements	Ch-9 Financial Statement & its analysis Ch-10 Comparative and Common Size Statements. Ch-11 Ratio Analysis	12
4	Cash Flow Statement	Ch-12 Cash Flow Statement	8
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BUSINESS STUDIES

UNIT NO	UNIT NAME	WEIGHTAGE
<u>Part A Principles and Functions of Management</u>		
Ch-1	Nature and Significance of Management	16
Ch-2	Principles of Management	
Ch-3	Business Environment	
Ch-4	Planning	14
Ch-5	Organising	
Ch-6	Staffing	20
Ch-7	Directing	
Ch-8	Controlling	
<u>Part B Business Finance and Marketing</u>		
Ch-9	Financial Management	15
Ch-10	Financial Markets	
Ch-11	Marketing Management	15
Ch-12	Consumer Protection	
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ECONOMICS

UNIT NO	UNIT NAME	CHAPTER NUMBER AND CHAPTER NAME	WEIGHTAGE
	<u>Part A</u>	Introductory Macroeconomics	40
1	National Income and Related Aggregates	1. Circular Flow of Income 2. Basic Concepts of Macroeconomics 3. National Income and Related Aggregates 4. Measurement of National Income	10
2	Money and Banking	1. Money 2. Banking	6
3	Determination of Income and Employment	1. Aggregate Demand and Related Concepts 2. Income Determination and Multiplier 3. Excess Demand Deficient Demand	12
4	Government Budget and the Economy	1. Government Budget and The Economy 2. Foreign Exchange Rate	6
5	Balance of Payments	Balance of Payments	6
	<u>Part B</u>	Indian Economic Development	40
1	Development Experience (1947-90) and Economic Reforms since 1991	1. Indian Economy on the eve of independence 2. Indian Economy 1950-1991 3. Economic Reforms Since 1991	12
2	Current Challenges facing Indian Economy	1. Human Capital Formation 2. Rural development Except (Chapter 3. Employment & Chapter 4. Sustainable Economic Development)	20
3	Development Experience of India – A Comparison with Neighbours	Comparative Development Experience of India and its Neighbours.	8
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INFORMATICS PRACTICES			
UNIT NO	UNIT NAME	CHAPTER NUMBER AND CHAPTER NAME	WEIGHTAGE
1	Data Handling using Pandas -I	1.1 Python libraries and Series Operations	10
		1.2 DataFrames and Data Visualization	15
2	Database Query using MYSQL	2.1 Database Query using MYSQL	25
3	Introduction to Computer Networks	3.1 Introduction to Computer Networks	10
4	Societal Impacts	4.1 Societal Impacts	10
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COMPUTER SCIENCE

UNIT NO	UNIT NAME	CHAPTER NUMBER AND CHAPTER NAME	WEIGHTAGE
1	Computational Thinking and Programming - 2	1.1 Python Tour 1 and 2(Grade 11 Revision)	5
		1.2 Working with Functions and Exception Handling	15
		1.3 File Handling and Stack Operations	20
2	Database Management	2.1 Database Management	20
3	Computer Networks	3.1 Computer Networks	10
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PSYCHOLOGY

UNIT NO	UNIT NAME	CHAPTER NUMBER AND CHAPTER NAME	WEIGHTAGE
I	Variations in Psychological Attributes	Variations in Psychological Attributes	13
II	Self and Personality	Self and Personality	13
III	Meeting Life Challenges	Meeting Life Challenges	9
IV	Psychological Disorders	Psychological Disorders	12
V	Therapeutic Approaches	Therapeutic Approaches	9
VI	Attitude and Social Cognition	Attitude and Social Cognition	8
VII	Social Influence and Group Processes	Social Influence and Group Processes	6
TOTAL			70

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MARKETING

UNIT NO	UNIT NAME	WEIGHTAGE
	SECTION A - EMPLOYABILITY SKILLS (10 MARKS)	
1	Communication Skills	2
2	Self-Management Skills	2
3	Information and Communication Technology Skills	2
4	Entrepreneurial Skills	2
5	Green Skills	2
	SECTION B - SUBJECT SPECIFIC SKILLS (50 MARKS)	
1	Product	10
2	Price	10
3	Place	10
4	Promotion	10
5	Emerging Trends in Marketing	10
TOTAL		60

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ARTIFICIAL INTELLIGENCE		
UNIT NO	UNIT NAME	WEIGHTAGE
	Part A- EMPLOYABILITY SKILLS	
1	Communication Skills-I	2
2	Self-Management Skills-IV	2
3	ICT Skills-IV	2
4	Entrepreneurial Skills-IV	2
5	Green Skills-IV	2
	Part B - SUBJECT SPECIFIC SKILLS	
2	Data Science Methodology: An Analytic Approach to Capstone Project	8
3	Making Machines See	6
5	Introduction to Big Data and Data Analytics	6
6	Understanding Neural Networks	8
7	Generative AI	7
8	Data Storytelling	5
TOTAL		50