

Syllabus & Blueprint

Term-II Examination: 2025 26

Class-XII (Science)

Date & Day	22/12/2025 Monday	23/12/2025 Tuesday	24/12/2025 Wednesday	26/12/2025 Friday	27/12/2025 Saturday	29/12/2025 Monday
Subject	Physics	English	IP / PE	Maths / Bio	AI	Chemistry

Subject: English Core (301)

		Total
	Section-A (Reading Skills) Two Unseen Passages Section-B (Creative Writing Skills) Notice, Invitation, Letter for Job Application, Letter to Editor, Article & Report Writing Section-C (LITERATURE) Flamingo - Deep Water - The Rattrap - Indigo - Poets & Pancakes - The Interview - Going Places - A Thing of Beauty - A Roadside Stand - Aunt Jennifer's Tigers Vistas - The Tiger King - Journey to the End of the Earth - The Enemy - On the Face of it - Memories of Childhood	Section – A (22 Marks) Unseen Passages12 +10 Section – B (18 Marks) Notice -4 Invitation -4 Letter for Job Application or Letter To Editor - 5 Article or Report Writing - 5 Section – C (40 Marks) ➤ RTC-1 (Flamingo - Poem)06 ➤ RTC-2 (Vistas - Prose)04 ➤ RTC-3 (Flamingo - Prose)06 ➤ 6 Short Questions (Flamingo) Attempt Any Five10 ➤ 3 Short Questions (Vistas) Attempt any Two.....4 ➤ Two Long Questions (Flamingo) Attempt any One5 ➤ Two Long Questions (Vistas)Attempt any One5

Subject: Physics (042)

Ch. No.	Chapter Name	A	B	C	D	E	Total
1	Electric charges and fields	--	--	--	--	--	13
3	Current electricity						
4	Moving charges and magnetism	--	--	--	--	--	13
6	Electromagnetic induction						
8	Electromagnetic waves	--	--	--	--	--	21
9	Ray optics and optical instruments						
10	Wave optics						
11	Dual nature of radiation and matter	--	--	--	--	--	15
12	Atoms						
13	Nuclei						
14	Semiconductor electronics	--	--	--	--	--	8
Total		16	2×5	3×7	4×2	5×3	70

Subject: Chemistry (043)

Ch. No.	Chapter Name	1 MCQ	2 Marks	3 Marks	4 Marks	5 Marks	Total
1	Solution	--	--	--	--	--	7
2	Electrochemistry	--	--	--	--	--	9
3	Chemical Kinetics	--	--	--	--	--	7

4	d & f- Block Elements	--	--	--	--	--	7
5	Coordination Compounds	--	--	--	--	--	7
6	Haloalkanes & Haloarenes	--	--	--	--	--	6
7	Alcohols, Phenols & Ethers	--	--	--	--	--	6
8	Aldehydes, Ketones & Carboxylic Acid	--	--	--	--	--	8
9	Amines	--	--	--	--	--	6
10	Biomolecules	--	--	--	--	--	7
Total		16(16)	5(10)	7(21)	2(8)	3(15)	70

Subject: Biology (044)

UNIT NO.	Chapter Name	1 Marks MCQ	2 Marks	3 Marks	Case Based	5 Marks	Total
7	<u>REPRODUCTION</u> Sexual reproduction in flowering plant Human Reproductions Reproductive health	--	--	--	--	--	17
8	<u>GENETICS AND EVOLUTION</u> Molecular basis of inheritance	--	--	--	--	--	10
9	<u>BIOLOGY IN HUMAN WELFARE</u> Human health and welfare	--	--	--	--	--	11
10	<u>BIOTECHNOLOGY AND ITS APPLICATIONS</u> Biotechnology -Principle and Processes Biotechnology and its Application	--	--	--	--	--	16
11	<u>ECOLOGY AND ENVIRONMENT</u> Organism and population Ecosystem Biodiversity and Conservation	--	--	--	--	--	16
Total		16(16)	5(10)	7(21)	2(8)	3(15)	70

Subject: Mathematics (041)

Ch. No.	Chapter Name	MCQ (1)	VSQ (2)	SAQ (3)	LAQ (5)	CSQ (4)	Total
1.	Relations and Functions	--	--	--	--	--	5
2.	Inverse Trigonometric Functions	--	--	--	--	--	3
3.	Matrices	--	--	--	--	--	4
4.	Determinants	--	--	--	--	--	6
5.	Continuity and Differentiability	--	--	--	--	--	7
6.	Application of Derivatives	--	--	--	--	--	8
7.	Integrals	--	--	--	--	--	8
8.	Applications of Integrals	--	--	--	--	--	5
9.	Differential Equations	--	--	--	--	--	7
10.	Vectors	--	--	--	--	--	7
11.	Three-Dimensional Geometry	--	--	--	--	--	7
12.	Linear Programming	--	--	--	--	--	5
13.	Probability	--	--	--	--	--	8
Total		20	10	18	20	12	80

Subject: Informatics Practices (065)							
Ch. No.	Chapter Name	1 Mark	2 Mark	3 Mark	4 Mark	5 Mark	Total
1	Data Handling using Pandas	--	--	--	--	--	19
2	Data Visualization	--	--	--	--	--	06
3	Database concepts & SQL	--	--	--	--	--	06
4	Database Query using SQL	--	--	--	--	--	19
5	Computer Network	--	--	--	--	--	10
6	Societal Impacts	--	--	--	--	--	10
Total		01x21= 21	02x7= 14	03x4= 12	04x2= 08	05x3= 15	70

Subject: Physical Education (048)							
Ch. No.	Chapter Name	MCQ	VSA	SA	CBS	LA	Total
1	Management of Sporting Events	--	--	--	--	--	05
2	Children and Women in Sports	--	--	--	--	--	07
3	Yoga as Preventive Measure for Lifestyle Disease	--	--	--	--	--	06
4	Physical Edu. & Sports for CWSN	--	--	--	--	--	04
5	Sports & Nutrition	--	--	--	--	--	10
6	Test and Measurement in Sports	--	--	--	--	--	08
7	Physiology & Injuries in Sport	--	--	--	--	--	04
8	Biomechanics and Sports	--	--	--	--	--	10
9	Psychology & Sports	--	--	--	--	--	07
10	Training in Sports	--	--	--	--	--	09
Total	Theory (70 Marks)	18 Qs	5 Qs	5 Qs	3 Qs	3 Qs	70

Subject: Artificial Intelligence (843)							
Ch. No.	Chapter name	MCQ	SA				Total
	PART-A-EMPLOYABILITY SKILLS (10 MARKS)	--	--	--	--	--	
1.	Communication Skills-IV	--	--	--	--	--	2
2.	Self -Management Skills-IV	--	--	--	--	--	3
3.	ICT Skills-IV	--	--	--	--	--	2
4.	Entrepreneurial Skills-IV	--	--	--	--	--	2
5.	Green Skills-IV	--	--	--	--	--	2
Total Questions		6	5				11
Ch. No.	Chapter name	MCQ	SA				Total
	PART-B-SUBJECT SPECIFIC SKILLS (40 MARKS)						
Ch. No.	Chapter name	1 Mark each	SA 2 Mark	LA 4 marks			Total
2	Data Science Methodology: An Analytic Approach to Capstone Project	--	--	--			7
3	Making Machines See	--	--	--			6
5	Introduction to Big Data and Data Analytics	--	--	--			5
6	Understanding Neural Networks	--	--	--			7

7	Generative AI	--	--	--			5
8	Data Storytelling	--	--	--			5
	TOTAL QUESTIONS	--	--	--			35
	NO. OF QUESTIONS TO BE ANSWERED	Any 20	Any 4	Any 3			Any 27
	TOTAL MARKS	1×20=20	2×4=8	4×3=12			40