

Syllabus & Blueprint
Prelim Exam – I : 2025 26
Class-XII (Science)

Date & Day	05/01/2026 Monday	06/01/2026 Tuesday	07/01/2026 Wednesday	08/01/2026 Thursday	09/01/2026 Friday	10/01/2026 Saturday
Subject	Maths / Bio	IP / PE	Chemistry	English	Physics	AI

Subject: English Core (301)

	Total
Section A: Reading (2 Unseen Passages)	22
Section B: Writing (Notice, Invitation & Reply, Letter to editor, Article, Report, Job Application)	18
Section C: Literature (All the chapters from Vistas and Flamingo Textbook)	40
Total	80

Subject: Physics (042)

Ch. No.	Chapter Name						Total
1	Electric charges and fields	-	-	-	-	-	16
2	Electric Potential and Capacitance	-	-	-	-	-	
3	Current electricity	-	-	-	-	-	
4	Moving charges and magnetism	-	-	-	-	-	17
5	Magnetism and Matter	-	-	-	-	-	
6	Electromagnetic induction	-	-	-	-	-	
7	Alternating Current	-	-	-	-	-	18
8	Electromagnetic waves	-	-	-	-	-	
9	Ray optics and optical instruments	-	-	-	-	-	
10	Wave optics	-	-	-	-	-	12
11	Dual nature of radiation and matter	-	-	-	-	-	
12	Atoms	-	-	-	-	-	
13	Nuclei	-	-	-	-	-	7
14	Semiconductor electronics	-	-	-	-	-	
Total		16(16)	5(10)	7(21)	2(8)	3(15)	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	Chapter Name	1 Marks MCQ	2 Marks	3 Marks	Case Based	5 Marks	Total
Vi	Reproduction Ch-1 sexual reproduction in flowering plant Ch-2 human reproduction Ch-3 reproductive health	-	-	-	-	-	16
vii	Genetics and evolution Ch-4 principles of inheritance and variation Ch5-molecular basis of inheritance Ch 6-evolution	-	-	-	-	-	20
viii	Biology and human welfare Ch-7 evolution Ch- 8 microbes in human welfare	-	-	-	-	--	12
ix	Biotechnology and its application Ch-9 Biotechnology principles and Process Ch-10 Biotechnology and its application	-	-	-	-	-	12
x	Ecology and environment Ch-11 Organisms and populations Ch-12 Ecosystem Ch-13 Biodiversity and its conservation	-	-	-	-	-	10
Total							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	Datahandling using pandas-I	--	--	--	--	--	15
2	Data visualization	--	--	--	--	--	10
3	Mysql	--	--	--	--	--	25
4	Computer Network	--	--	--	--	--	10
5	Societal Impacts	--	--	--	--	--	10
Total							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		18	5	5	3	3	70

Subject: Artificial Intelligence (843)							
Ch. No.	Chapter name	MCQ	SA	LA			Total
	Employability skills	--	--	--			2
	Unit 1: Communication Skills-IV	--	--	--			2
	Unit 2: Self-Management Skills-IV	--	--	--			2
	Unit 3: ICT Skills-IV	--	--	--			2
	Unit 4: Entrepreneurial Skills-IV	--	--	--			2
	Unit 5: Green Skills-IV	--	--	--			2
	Total						10
	Subject Specific Skills (THEORY)						
	Unit 1: Capstone Project	--	--	--			10
	Unit 2: Model Lifecycle	--	--	--			10
	Unit 3: Storytelling Through Data	--	--	--			20
	Total						40
Total							50