

Syllabus & Blueprint

Term-I Examination: 2025 26

Class-XII (Science)

Date & Day	25/08/2025 Monday	26/08/2025 Tuesday	28/08/2025 Thursday	29/08/2025 Friday	30/08/2025 Saturday	01/09/2025 Monday
Subject	Maths / Bio	English	Chemistry	AI	IP / PE	Physics

Subject: English Core (301)

	Total
Comprehension Passage	22
Notice	4
Letter to Editor	5
Article	5
RTC Poems	6
RTC Flamingo	6
RTC Vistas	4
Short answer question (2*6) Flamingo	12
Short answer question (2*3) Vistas	6
Long Answer Question Flamingo	5
Long Answer Question Vistas	5

SYLLABUS

Chapter Name

My mother at sixty-six, Keeping quiet, A thing of Beauty.
Last Lesson, Lost Spring, Deep Water, Rattrap
Third Level, Tiger King, Enemy, Journey to the end of the earth.
Notice, Article, Letter to Editor

INTERNAL ASSESSMENT:

ASL

20

Subject: Physics (042) (Non-Academy)

Ch. No.	Chapter Name	MCQ	2 Marks	3 Marks	4 Marks	5 Marks	Total
1	Electric charges and Fields	1	1	1	1		21
2	Electrostatic Potential and capacitance	3	1	1		1	
3	Current Electricity	3	1	1		1	13
5	Magnetism and matter	2	1	1	1		11
9	Ray optics and optical instruments	2	1	1		1	17
10	Wave optics	2	1	1		1	
11	Dual Nature of radiation and matter	3	1	1			8
Total		16	10	21	8	15	70

Subject: Physics (042) (Academy)

Ch. No.	Chapter Name						Total
1	Electric charges and Fields	1	1	1	1		21
2	Electrostatic Potential and capacitance	3	1	1		1	
3	Current Electricity	3	1	1		1	13
4	Moving charges and magnetism	3	1	1		1	13
5	Magnetism and matter	2	1	1	1		11
6	Electromagnetic Induction	4	1	2			12
Total		16	10	21	8	15	70

Subject: Chemistry (043)							
Ch. No.	Chapter Name	1 MCQ	2 Marks	3 Marks	4 Marks	5 Marks	Total
1	Solution	2		1		1	10
2	Electrochemistry	2	1	1	1		11
3	Chemical Kinetics	2	1	1		1	12
4	d n f block elements	3	1	1	1		12
5	Coordination Compounds	4	1	2			12
6	Haloalkanes and Haloarenes	3	1	1		1	13
Total		16(16)	10(5)	21(7)	8(2)	15(3)	70

Subject: Biology (044)							
Ch. No.	Chapter Name	1 Marks MCQ	2 Mark s	3 Marks	Case Based	5 Marks	Total
1	Reproduction in flowering plants	3	1	1		1	13
2.	Human reproduction	2	1	1		1	12
3.	Reproductive health	2		1			05
4.	Principle of inheritance	3	1	1		1	13
6.	Evolution	2	1	1	1		11
7.	Human health and disease	2		1	1		09
8.	Microbes in human welfare	2	1	1			07
Total		1×16 = 16	2×5 = 10	3×7 = 21	4×2 = 8	5×3 = 15	70

Subject: Mathematics (041)							
Ch. No.	Chapter Name	MCQ (1)	VSQ (2)	SAQ (3)	LAQ (5)	CSQ (4)	Total
1.	Relations and Functions	2	0	1	0	1	09
2.	Inverse Trigonometric Functions	2	1	1	0	0	07
3.	Matrices	3	0	1	0	1	10
4.	Determinants	4	1	0	1	0	11
5.	Continuity and Differentiability	3	1	1	1	0	13
6.	Application of Derivatives	3	1	0	2	1	19
7.	Integrals	3	1	2	0	0	11
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	9	4	1		1	25
2	Data Visualization using Matplotlib	2		1	1		09
3	Review of Database Concepts and SQL	5	1	1			10
4	Database Query using SQL	5	2	1	1	2	26
Total		1 × 21 = 21	2 × 07 = 14	4 × 03 = 12	2 × 04 = 08	2 × 04 = 08	70

Subject: Physical Education (048)

Ch. No.	Chapter Name	MCQ	VSA	SA	CBS	LA	Total
2	Children and Women in Sports	4	2	2	1	1	
3	Yoga as Preventive measure for Lifestyle Disease	3	1	0	0	1	
4	Physical Education & Sports for (CWSN)	3	1	1	1	0	
5	Sports & Nutrition	4	1	2	1	1	
6	Test and Measurement in Sports	4	1	1	0	1	
Total		18 × 1 =18	5 × 2 = 10	5 × 3 = 15	4 × 1 = 12	3 × 5 = 15	70

Subject: Artificial Intelligence (843)

Ch. No.	Chapter name	MCQ	SA	LA			Total
Ch-2	Self-Management skills(ES)	2	2				4
Ch-4	Ch-4-Entrepreneurial skills (ES)	2	2				4
Ch-5	Green skills (ES)	1	2				3
Ch-2	Ch 2 Data Science Methodology	5	2	3			10
Ch-3	Making Machine See	5	2	3			10
Ch-5	Introduction to Big Data and Big Data Analytics	5	2	3			10
Ch-7	Generative AI	4	2	3			9
Total		24	14	12			50