

Syllabus & Blueprint
For Half Yearly Examination: 2024 25
Class-XI (Science)

Date	27/09/2024	28/09/2024	30/09/2024	01/10/2024	03/10/2024
Subject	Physics	IP/PE	Maths/Biology	English	Chemistry

Subject: English Core (301)

		Total
	SECTION – A: Reading Skills-	26
	SECTION – B: Writing Skills	23
	SECTION – C: Literature (Flamingo & Vistas)	31
	INTERNAL ASSESSMENT: ASL	20

Subject: Physics (042) (Non Academy)

Chapter No.	Chapter Name	1 Marks	2 Marks	3 Marks	Case Based	5 Marks	Total
1	Units and measurements	2		1			5
2	Motion in a straight line	2		1			5
3	Motion in a plane	1	1	1	1		10
4	Laws of motion	3	2	1		1	15
5	Work, energy and power	2		1	1	1	14
6	System of particles and rotational motion	3	1	1		1	13
7	Gravitation	3	1	1			8
Total		16	5×2	7×3	2×4	3×5	70

Subject: Chemistry (043)

Chapter No.	Chapter Name	1 Mark	2 Marks	3 Marks	4 Marks	5 Marks	Total
1	Some Basic Concept Of Chemistry	3	1	1		1	1
2	Structure Of Atom	3	1	1	1		12
3	Classification Of Elements & Periodicity In Properties	3	1	1	1		12
4	Chemical Bonding & Molecular Structure	4	1	2		1	17
7	Redox Reactions	3	1	2		1	16
Total		(16) 16	(5) 10	(7) 21	(2) 08	(3) 15	(33) 70

Subject: Biology (044)

Chapter No.	Chapter Name	1 Marks	2 Marks	3 Marks	Case Based	5 Marks	Total
1	The living world	2	1				4
3	Animal kingdom	2	1	1		1	12
4.	Morphology of flowering plants	2		1		1	10
5.	Anatomy of flowering plants	2		2			8
6.	Anatomy of frog			1		1	8
7.	The cell –fundamental unit of life	3	1				5
8.	Biomolecules	2		1	1		9

9.	Cell –cycle and cell –division	2	1				4
14.	Breathing and exchange of gases in human	1	1	1	1		10
Total		16	10	21	8	15	70

Subject: Mathematics (041)

Chapter No.	Chapter Name	MCQs	SA-1	SA-2	LA	Case Study	Total Weightage
1.	Sets	4	1	--	--	--	6
2.	Relations and Functions	3	1	1	1	--	13
3.	Trigonometric Functions	2	1	1	1	1	16
4.	Complex Numbers	2	--	1	1	1	14
5.	Linear Inequalities	3	1	1	--	--	8
6.	Permutations and Combinations	2	--	1	1	1	14
7.	Binomial Theorem	4	1	1	--	--	9
	Total	1×20= 20	2×5= 10	3×6= 18	5×4= 20	4×3= 12	80

Subject: Informatics Practices (065)

Chapter No.	Chapter Name	1 Mark	2 Marks	3 Marks	4 Marks	5 Marks	Total
1	Computer System		1		1		10
2	Getting Started with Python	2	4				10
3	Python programming Fundamentals	4	3				10
4	Conditional & looping constructs	6	1	1	1	1	20
5	Lists in Python	6	1	1	1	1	20
	Total Questions/Marks	18	12	2	2	3	70
Total							70

Subject: Physical Education (048)

Chapter No.	Chapter name	1 Mark	2 Marks	3 Marks	4 Marks	5 Marks	Total
1	Changing Trends & Career In Physical Education	4	1	1	-	1	14
2	Olympism	3	1	1	1	-	14
3	Yoga	3	1	1	1	1	14
4	Physical Edu. & Sports for CWSN with Special Needs – Divyang	4	1	1	-	1	14
5	Physical Fitness, Health and Wellness	4	1	1	1	1	14
Total		18	5	5	3	4	70