

HALF-YEARLY (MID-TERM) SYLLABUS CUM BLUEPRINT CLASS XI- SCIENCE 2026-27

Half Yearly Portion for Mathematics:

1. Sets
2. Relations and Functions
3. Trigonometric Functions
4. Complex Numbers
5. Linear Inequalities
6. Permutations and Combination
7. Binomial Theorem

		DELHI PUBLIC SCHOOL, ROURKELA						
		MATHEMATICS(041)						
		Class – XI(SCIENCE)						
BLUE PRINT FOR HALF-YEARLY EXAMINATION 2026-2027								
		A(1*20=20M)	B(2*5=10M)	C(3*6=18)	D(5*4=20)	E(4*3=12)		
SL.No.	CHAPTER NAME	1M(MCQ)	2M	3M	5M	4M	WEIGHTAGE	
1	SETS	2		1OR	1		10	
2	RELATIONS AND FUNCTIONS	4	1OR	2			12	
3	TRIGONOMETRIC FUNCTIONS	3	1	1OR	1OR	1	17	
4	COMPLEX NUMBER	3			1	1	12	
5	LINEAR INEQUALITIES	3	2	1			10	
6	PERMUTATIONS & COMBINATIONS	3			1 OR	1	12	
7	BINOMIAL THEOREM	2	1OR	1			7	
8	TOTAL NO OF QUESTIONS	20	5	6	4	3	38	
9	TOTAL MARKS	20	10	18	20	12	80	

Half Yearly Portion for Chemistry:

1. Basic Concepts of Chemistry
2. Structure of Atom
3. Classification of Elements and periodicity in properties
4. Chemical Bonding and molecular structure

 DELHI PUBLIC SCHOOL Steel Township, Sector-14, Rourkela (Under the aegis of the Delhi Public School Society, New Delhi) 							
CLASS XI (SCIENCE)							
CHEMISTRY BLUE PRINT FOR MID-TERM EXAMINATION 2026-27							
SL.NO	CHAPTER NAME	1M(MCQ)	2M	3M	4M	5M	CHAPTER WEIGHTAGE
1	BASIC CONCEPT OF CHEMISTRY	4	2	1	1	1	20
2	ATOMIC STRUCTURE	4	1	2		1	17
3	PERIODIC CLASSIFICATION	4	1	2		1	17
4	CHEMICAL BONDING	4	1	2	1		16
TOTAL NO OF QUESTIONS		16	5	7	2	3	33
TOTAL MARKS		16	10	21	8	15	70

Half-Yearly Portion for Biology:

Ch1:- THE LIVING WORLD

ch 2:-BIOLOGICAL CLASSIFICATION

ch 8 :-CELL,THE UNIT OF LIFE

ch 9 :-BIOMOLECULES

ch 10:- CELL CYCLE AND CELL DIVISION

ch 11:- PHOTOSYNTHESIS IN HIGHER PLANTS

ch 12 :-RESPIRATION IN HIGHER PLANTS

ch 13:-PLANT GROWTH AND DEVELOPMENT

ch 17:- LOCOMOTION AND MOVEMENT



DELHI PUBLIC SCHOOL

Steel Township, Rourkela

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CLASS XI (SCIENCE)

BIOLOGY BLUEPRINT FOR MID – TERM EXAMINATION 2026 - 2027

SL. NO.	NAME OF CHAPTER	MCQ / A/R (01 MARK)	VSA (02 MARKS)	SA (03 MARKS)	CASE BASED (04 MARKS)	LA (05 MARKS)	(CHAPTER WISE QUESTIONS)
1.	THE LIVING WORLD	02	01	01	--	--	04
2.	BIOLOGICAL CLASSIFICATION	03	01	01	--	--	05
3.	CELL: THE UNIT OF LIFE	--	01	02	--	(OR) 01	04
4.	BIOMOLECULES	01	--	01	01	(OR) 01	03
5.	CELL CYCLE & CELL DIVISION	02	--	--	--	(OR) 01	02
6.	PHOTOSYNTHESIS IN HIGHER PLANTS	04	01	--	--	(OR) 01	05
7.	RESPIRATION IN PLANTS	01	01	--	--	(OR) 01	03
8.	PLANT GROWTH & DEVELOPMENT	01	--	01+01	--	--	03
9.	LOCOMOTION AND MOVEMENT	02	--	--	01	01	04
TOTAL QUESTIONS							= 33
(TYPE WISE QUESTIONS)		(01 X 16)	(02 X 05)	(03 X 07)	(04 X 02)	(05 X 03)	= 70
TOTAL MARKS		16	10	21	8	15	

Physics portion for half yearly examination-2026 :

1. Unit and measurement.
2. Motion in a straight line.
3. Motion in a plane.
4. Laws of motion.
5. Work,energy and power.



DELHI PUBLIC SCHOOL, ROURKELA

BLUEPRINT FOR MID TERM EXAM- (2026-27)



Class- XI

Sub - Physics

Sl No.	Name of the Chapter	1 Mark	2 Marks	3 Marks	4 Marks	5Marks	Total Weightage
1	Units and Measurement	2	1	1			7
2	Motion in a Straight line	3	1	2		1	16
3	Motion in a Plane	4	1	2	1	1	21
4	Laws of Motion	4	1	1	1		13
5	Work, energy and power	3	1	1		1	13
6	Total marks	16	10	21	8	15	70

Mid-Term English Portion:

Section A

Two unseen passages

Section B

1. Advertisement Writing
2. Speech Writing
3. Integrated grammar (Do as directed)

Section C (Literature)

Hornbill-

1. The Portrait of a Lady
2. We're Not Afraid to Die
3. A Photograph
4. The Laburnum Top
5. The Voice of the Rain

Snapshot-

1. The Summer of the Beautiful White Horse
2. The Address

BLUEPRINT-

ENGLISH CORE

CLASS XI

Section A

Reading Skills-22 Marks

Reading Comprehension through Unseen Passage 12+10 = 22 Marks

A. One unseen passage to assess comprehension, interpretation, analysis and inference. Vocabulary assessment will also be assessed via inference. The passage may be factual, Descriptive or literary.

B. One unseen case-based factual passage with verbal/visual inputs like statistical data, charts Etc. to assess comprehension, interpretation, analysis, inference and evaluation.

(Note: The combined word limit for both the passages will be 700-750 words)

Section B

Creative Writing Skills-10Marks

A. Advertisement Writing

B. Speech writing

Integrated grammar- 8 Marks

Section C

Literature Text Book and Supplementary Reading Text- 40 Marks

1. One Poetry extract out of two, from the book Hornbill, to assess comprehension, Interpretation, analysis, inference and appreciation. (6x1=6 Marks)
2. One Prose extract out of two, from the book Snapshots, to assess comprehension, Interpretation, analysis, evaluation and appreciation. (4x1=4 Marks)
3. One prose extract out of two from the book Hornbill, to assess comprehension, Interpretation, analysis, inference and evaluation. (6x1=6Marks)
4. Short answer type questions (from Prose and Poetry from the book Hornbill), to be Answered in 40-50 words each. (5x2=10 Marks)
5. Short answer type questions, from Prose (Snapshot), to be answered in 40- 50 words each. (2x2=4)
6. One Long answer type question, from Prose/Poetry (Hornbill), to be answered in 120-150 words. (1x5=5 Marks)
7. One Long answer type question, based on the chapters from the book Snapshot to be Answered in 120-150 words, (1x5=5 Marks)

Painting – Class XI

Portion for the Upcoming Half-Yearly Examination 2026–27

Theory(30 Marks)

A. Pahari School of Miniature Painting

*Krishna with Gopis

*Nanda, Yashoda, Krishna and Kinsmen Going to Vrindavana

*All the sub-schools of the Pahari School of Miniature Painting.

B. Mughal School of Miniature Painting

*Krishna Lifting Mount Govardhana

*Falcon on a Bird Rest

*Kabir and Raidas

*Marriage Procession of Dara Shikoh

*All the sub-schools of Mughal Art.

Practical – (70 Marks)

Submission of Portfolio: 21/09/2026

Landscape: 3 Paintings

Still Life: 2 Paintings

Medium: Any medium

Paper Size: A3

Portion for Artificial Intelligence:

1. Communication Skills
2. Self-Management Skills
3. Introduction-AI for Everyone
4. Unlocking your Future with AI
5. Introduction to Capstone Project
6. Python Programming
7. Data Literacy-Data
Collection to Data Analysis

Delhi Public School Rourkela
Class XI
Artificial Intelligence
Half Yearly examination – 2026
Blue Print

Total Marks : 50

Time: 2 Hrs

CHAPTER NAME	VSA [1 mark each]	SA [2 marks each]	LA [4 marks each]
Communication Skills	1 x 3 = 3	2 x 3 = 6	NA
Self-Management Skills	1 x 3 = 3	2 x 2 = 4	NA
Introduction -AI for Everyone	1 x 6 = 6	2 x 1 = 2	4 x 1 = 4
Unlocking your future with AI	1 x 4 = 4	2 x 1 = 2	4 x 1 = 4
Introduction to Capstone Project	1 x 6 = 6	2 x 1 = 2	4 x 1 = 4
Python Programming	1 x 3 = 3	2 x 1 = 2	4 x 1 = 4
Data Literacy-Data Collection to Data Analysis	1 x 5 = 5	2 x 2 = 4	4 x 1 = 4
Sub total	30	22	20

Complete Question Paper Final Total Marks: 72

Complete Question Paper to Attempt: 50

Note: VSA – Very Short Answer

SA – Short Answer

LA – Long answer

Portion for Computer Science:

1. Computer System Overview
2. Data Representation
3. Emerging Trends
4. Introduction to Problem Solving
5. Python Programming

HALF YEARLY EXAMINATION -2026**BLUE PRINT****CLASS-XI****M.M-70****SUB-COMPUTER SCIENCE (083)****TIME-3 Hrs**

UNIT NO.	NAME	1 MARK (OBJECTIVE)	2 MARKS (SHORT ANSWER)	3 MARKS (SHORT ANSWER)	4 MARKS (LONG ANSWER)	
1.	COMPUTER SYSTEM OVERVIEW	3	1			
2.	DATA REPRESENTATION	3	2	1		
3.	EMERGING TRENDS	3	2	1		
4.	INTRODUCTION TO PROBLEM SOLVING	5	2	2		
5.	PYTHON PROGRAMMING	8	2	2	3	
TOT. QUESTIONS	40	22	9	6	3	
TOT. MARKS	70	22	18	18	12	

