



DELHI PUBLIC SCHOOL, ROORKELA
BLUEPRINT HALF-YEARLY EXAMINATION – 2026
CLASS - XII (SCIENCE)



SUBJECT: ENGLISH CORE

Section-wise Question Distribution:

SECTION-A (Reading Skills)	22 MARKS
SECTION-B (Creative Writing Skills)	18 MARKS
SECTION-C (Literature)	40 MARKS
TOTAL	80 MARKS

Detailed Question-wise Breakup:

Section A – Reading Skills (22 Marks)				
Q. No.	Type of Question	No. of Questions		
Q1	Unseen Passage (Literary/Discursive)	1 passage, 5–6 questions		
Q2	Case-Based Factual Passage (verbal/visual inputs)	1 passage, 5–6 questions		
Section B – Creative Writing Skills (18 Marks)				
Q. No.	Type of Question	No. of Questions	Source	Marks
Q3	Notice Writing	2 given, attempt 1	—	5
Q4	Formal/Informal Invitation & Reply	2 given, attempt 1	—	6
Q5	Article / Report Writing (120–150 words)	2 given, attempt 2	—	7
Section C – Literature (40 Marks)				
Q. No.	Type of Question	No. of Questions	Source	Marks
Q6	Extract-based Question (Poetry)	2 extracts given, attempt 1	Flamingo	6
Q7	Extract-based Question (Prose)	2 extracts given, attempt 1	Vistas	4
Q8	Extract-based Question (Prose)	2 extracts given, attempt 1	Flamingo	6
Q9	Short Answer Questions	7 given, attempt any 5	Flamingo	10
Q10	Short Answer Questions	3 given, attempt any 2	Vistas	4
Q11	Long Answer Question	2 given, attempt any 1	Flamingo	5
Q12	Long Answer Question	2 given, attempt any 1	Vistas	5

SUBJECT: PHYSICS

Chapter name	1 Mark	2 Marks	3 Marks	4 Marks	5 Marks	Total
Electric Charges & Fields	2		1	—	1	10
Electrostatic Potential & Capacitance	2	1		1	—	8
Current Electricity	2	1	1	—		7
Moving Charges & Magnetism	2		1	—	1	10
Magnetism & Matter	2		1	—	—	5
Electromagnetic Induction	2	1	1	—	—	7
Alternating Current	2	1	1	—	—	7
Electromagnetic Waves	1	1	—	—	—	3
Ray Optics & Optical Instruments	1		1	1	1	13
Total	16	10	21	8	15	70

SUBJECT: CHEMISTRY

SL.NO	CHAPTER NAME	1M(MCQ)	2M	3M	4M	5M	CHAPTER WEIGHTAGE
1	SOLUTION	2	1	1	1		11
2	ELECTROCHEMISTRY	3	1	1		1	13
3	CHEMICAL KINETICS	3		2		1	14
4	D & F BLOCK	3	1	1			8
5	COORDINATION COMPOUND	3	1	1		1	13
6	ALKYL HALIDE & ARYL HALIDE	2	1	1	1		11
TOTAL NO OF QUESTIONS		16	5	7	2	3	33
TOTAL MARKS		16	10	21	8	15	70

SUBJECT: BIOLOGY

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.	SEXUAL REPRODUCTION IN FLOWERING PLANTS	01	01	01	--	--	03
2.	HUMAN REPRODUCTION	01	--	01	--	01	03
3.	REPRODUCTIVE HEALTH	01	01	--	--	--	02
4.	PRINCIPLES OF INHERITANCE	01	--	02	01	01	05
5.	MOLECULAR BASIS OF INHERITANCE	01	--	01	--	--	02
6.	HUMAN HEALTH AND DISEASE	02	01	--	01	--	04
7.	MICROBES IN HUMAN WELFARE	02	01	01	--	--	04
8.	ORGANISMS AND POPULATIONS	03	01	--	--	01	05
9.	ECOSYSTEM	03	--	01	--	--	04
10.	BIODIVERSITY AND CONSERVATION	01	--	--	--	(OR) 01	01
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	

SUBJECT: MATHEMATICS

SL.No.	Chapter Name	A(1*18=18M)	A(1*2 = 2M)	B(2*5=10M)	C(3*6=18)	D(5*4=20)	E(4*3=12)	WEIGHTAGE
1	MATRICES	3		1				5
2	DETERMINANTS	2				1	1	11
3	RELATIONS AND FUNCTIONS	1	1			1(OR)		7
4	INVERSE TRIGONOMETRIC FUNCTIONS	2		1(OR)				4
5	CONTINUITY	2			1(OR,DIFFREN.)			5
6	DIFFERENTIABILITY	2				1(OR)		7
7	APPLICATION OF DERIVATIVES	1	1	1(OR)			1	8
8	INTEGRATION	2		1	3			13
9	APPLICATION OF INTEGRATION	1			1	1	1	13
10	DIFFERENTIAL EQUATIONS	2		1	1			7
11	TOTAL NO OF QUESTIONS	18	2	5	6	4	3	38
12	TOTAL MARKS	18	2	10	18	20	12	80

SUBJECT: ARTIFICIAL INTELLIGENCE

CHAPTER NAME	VSA [1 mark each]	SA [2 marks each]	LA [4 marks each]
Communication Skills	1 x 2 = 2	2 x 1 = 2	NA
Self-Management Skills	1 x 2 = 2	2 x 2 = 4	NA
Entrepreneurial Skills	1 x 2 = 2	2 x 2 = 4	NA
Data Science Methodology- An Analytic Approach to Capstone Project	1 x 8 = 8	2 x 2 = 4	4 x 2 = 8
Making Machines See	1 x 8 = 8	2 x 2 = 4	4 x 2 = 8
Data Storytelling	1 x 8 = 8	2 x 2 = 4	4 x 1 = 4
Sub Total	30	22	20

Complete Question Paper Final Total Marks: 72

Complete Question Paper Final Total Marks To Attempt: 50

VSA – Very Short Answer

SA – Short Answer

LA – Long answer