



DELHI PUBLIC SCHOOL, ROURKELA

BLUE PRINT HALF YEARLY EXAMINATION - CLASS IX



1. MATHEMATICS

(Maximum Marks: 80)

SECTION-A (18MCQS+2Assertion/Reason)	1X20	20MARKS
SECTION-B(VSA)	2X5	10MARKS
SECTION-C(SA)	3X6	18MARKS
SECTION-D(LA)	5X4	20MARKS
SECTION-E(CASE-STUDY)	4X3	12MARKS
TOTAL		80MARKS

SL.NO.	NAME OF THE CHAPTER	MCQs (1 mark)	Assertion-Reason (1 mark)	VSAQ (2marks)	SAQ (3marks)	LAQ (5 marks)	Case Based Question (4 marks)	Total Marks
1	ORIENTING YOURSELF:THE USE OF COORDINATES	3(3)	-	1(2)	-	1(5)	-	10
2	INTRODUCTION TO LINEAR POLYNOMIALS	3(3)	-	1(2)	1(3)	-	1(4)	12
3	THE WORLD OF NUMBERS	2(2)	1(1)	-	-	1(5)	1(4)	12
4	EXPLORING ALGEBRAIC IDENTITIES	3(3)	-	-	1(3)	-	-	06
5	I'm UP AND DOWN,ROUND AND ROUND	2(2)	-	-	1(3)	1(5)	1(4)	14
6	MEASURING SPACE:PERIMETER AND AREA	2(2)	-	1(2)	1(3)	1(5)	-	12

7	THE MATHEMATICS OF MAYBE:INTRODUCT ION TO PROBABILITY	1(1)	1(1)	1(2)	1(3)	-	-	07
8	PREDICTING WHAT COMES NEXT:EXPLORING SEQUENCES	2(2)	-	1(2)	1(3)	-	-	07
TOTAL		18(18)	2(2)	10(5)	18(6)	20(4)	12(3)	80

2.SCIENCE (Maximum Marks: 80)

Chapter Name	MCQ (1Mark)	VSA (2Marks)	SA (3Marks)	Case-based (4Marks)	LA (5Marks)	Total Marks
PHYSICS						
Ch-4 Describing Motion Around us	1 x 1	2 x 2	1 x 3	1 x 4	-	12
Ch-6 How Forces Affect Motion	2 x 1	-	2 x 3	-	1 x 5	13
CHEMISTRY						
Ch-5 Exploring Mixtures and their separation	3 x 1	-	1 x 3	1 x 4	-	10
Ch-8 Journey inside the atom(up to the mass number)	5 x 1	-	-	-	1 x 5	10
Ch-9 Atomic Foundation of Matter (up to Dalton's Atomic theory)	-	1 x 2	1 x 3	-	-	5
BIOLOGY						
Ch-2 Cell: The building block of life	6 x 1	2 x 1	3 x 1	-	1 x 5	16
Ch-3 Tissues in Action (plant tissues only)	3 x 1	2 x 2	3 x 1	1 x 4	OR 1 x 5	14
Total Questions/Marks	20	12	21	12	15	80

3. HINDI (Maximum Marks: 80)

SL.NO	NAME OF THE TOPIC	MCQ/VSAQ-1MARK
1	अपठित गद्यांश(2) खंड-ख (व्याकरण)	1 x 6= 6
2	समानार्थी शब्द	1 x 4= 4
3	उपसर्ग	1 x 4= 4
4	प्रत्यय	1 x 4= 4
5	मुहावरे खंड-ग (गंगा)	1 x 4= 4
6	रैदास के पद	
7	राम-लक्ष्मण-परशुराम संवाद	
8	भारति जय विजय करे	
9	झँसी की रानी	1 x 5=5
10	दो बैलों की कथा	
11	क्या लिखूँ	
12	संवादहीन	1 x 5=5
13	ऐसी भी बातें होती हैं खंड-घ	
14	पत्र लेखन (अनौपचारिक)	
15	अनुच्छेद लेखन	
16	संवाद लेखन	
17	चित्र वर्णन	

4. SANSKRIT (MAXIMUM MARKS:80)

5. SL 6. No.	Question	Mark
1	अधोलिखितम् अनुच्छेदं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि लिखत ।	(10)
2	पत्रलेखनम् ।	($\frac{1}{2} \times 10 = 5$)
3	चित्रवर्णनम् ।	($2 \times 5 = 10$)
4	उच्चारणस्थानानि ।	($1 \times 4 = 4$)
5	संख्याः शब्दैः लिखत ।	($1 \times 6 = 6$)
6	पर्यायः ।	($1 \times 5 = 5$)
7	विपर्यायः ।	($1 \times 5 = 5$)
8	मञ्जूषायाः सहायता उचितैः अव्ययपदैः रिक्तस्थानानि पूरयत ।	($1 \times 5 = 5$)
9	अधोलिखितं गद्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत ।	(5)
10	अधोलिखित पठ्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत ।	(5)
11	अधोलिखितं नाट्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत ।	(5)
12	अधोलिखितवाक्येषु रेखाङ्कितपदानि आधृत्य प्रश्ननिर्माणं क्रियताम् ।	($1 \times 5 = 5$)
13	अधोलिखितस्य श्लोकद्वयस्य उचितपदैः अन्वयं पूरयत ।	($\frac{1}{2} \times 4 = 2$)
14	अधोलिखितानि वाक्यानि घटनानुसारम् क्रमेण पुनः लिखत ।	($\frac{1}{2} \times 8 = 4$)
15	अधोलिखित वाक्येषु रेखाङ्कितपदानां प्रसंगानुसारं शुद्धम् अर्थं चिनुत ।	($1 \times 4 = 4$)
TOTAL		80

5. Social Science

5. Social Science

(Maximum Marks: 80)

SECTION-A(HISTORY)	1X4 =4 (MCQs) 2X1= 2 (VSQs) 3X1= 3 (SQs) 5X1= 5 (LQs) 4X1= 4 (CBQs) 2X1= 2 (map)	20 MARKS
SECTION-B(GEOGRAPHY)	1X6= 6(MCQs) 2X1= 2 (VSQs) 5X1= 5 (LQs) 4X1= 4 (CBQs) 3X1= 3 (map)	20 MARKS
SECTION-C(POLITICAL SCIENCE)	1X4= 4 (MCQs) 2X2 =4 (VSQs) 3X1= 3 ((SQs) 5X1= 5 (LQs) 4X1= 4 (CBQs)	20 MARKS
SECTION-D(ECONOMICS)	1X6= 6 (MCQs) 3X3= 9 (SQs) 5X1= 5 (LQs)	20 MARKS
TOTAL	38 Questions	80

6.ARTIFICIAL INTELLIGENCE (MAXIMUM MARKS :50)

PART A - EMPLOYABILITY SKILLS (10 MARKS):

Sl.No.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS 1 MARK EACH	SHORT ANSWERS TYPE QUESTIONS 2 MARKS EACH	TOTAL QUESTIONS
1	Communication skills	3	3	6
2	Self-management skills	3	2	5
TOTAL QUESTIONS		6	5	11
NO. OF QUESTIONS TO BE ANSWERED		Any 4	Any 3	Any 7
TOTAL MARKS		1 x 4 = 4	2 x 3 = 6	10 MARKS

PART B - SUBJECT-SPECIFIC SKILLS (40 MARKS):

Sl.No.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS 1 MARK EACH	SHORT ANSWERS TYPE QUESTIONS 2 MARKS EACH	LONG ANSWERS TYPE QUESTIONS 4 MARKS EACH	TOTAL QUESTIONS
1	Understanding AI Domains and Applications	4	2		6
2	AI Project Cycle	10	4	2	17
3	Introduction to Python	5			5
4	Conditional Statements(if) of Python	5		3	7
TOTAL QUESTION		24	6	5	35
NO. OF QUESTIONS TO BE ANSWERED		Any 20	Any 4	Any 3	Any 27
TOTAL MARKS		1 x 20 = 20	2 x 4 = 8	4 x 3 = 12	40 MARKS

7. ODIA (2nd language) MAXIMUM MARKS:80

Section	Contents	Marks
A	Unseen Prose Passage	10
B	Writing	12
C	Grammar	10
D	Literature (Prose, Poetry, Non-Detailed)	48
	Total	80

Blueprint

S.L No	Section	Very Short (1M)	Short -I (2M)	Long-I (4/5M)	Long-II (6M)	Total
1	A. Reading	—	Q.1 (5×2)	—	—	10
2	B. Writing	—	—	—	Q.2 (1×6) Q.3 (1×6)	12
3	C. Grammar	Q.4 (3×1) Q.5 (3×1) Q.6 (2×1) Q.7 (2×1)	—	—	—	10
4	D. Literature	Q.10 (10×1) Q.13 (10×1)	Q.9 (3×2) Q.12 (3×2) Q.14 (3×2)	Q.8 (1×5) Q.11 (1×5)	—	48
	Total	30/6 Qs	28/4 Qs	10/2 Qs	12/2 Qs	80/14 Qs

8. English: Maximum Marks: 80

Section A

Question 1. Discursive Passage 10 Marks

Question 2. Case Based Passage 10 Marks

Section B

Question 3. Notice Writing 3 Marks

Question 4. Letter to Editor 5 Marks

Question 5. Factual Description 5 Marks

Question 6. Descriptive composition 7 Marks

Question 7

I. Sentence Rearrangement 3 marks

II. Editing/Omission 4 marks

III. Transformation of Sentences 3 marks

Section C

Question 8. Extract Based Questions

Solve 2 out of 3 ($5 \times 2 = 10$ marks)

Question 9. Short answer type questions

Solve 5 out of 6 ($2 \times 5 = 10$ marks)

Question 10. Long Answer Type/ Value Based Question (solve 1 out of 2) 5 marks

Question 11. Long Answer Type/ Value Based Question (solve 1 out of 2) 5 marks

ALL THE BEST