Sainik School Entrance Practice Paper – 09

AISSEE · Class IX · All India Sainik Schools Entrance Examination pattern

Time: 3 hours (180 minutes) **Maximum Marks:** 400 **Questions:** 150 (all MCQ)

Sec.	Subject	Qs	Marks each	Total
A	Mathematics	50	4	200
B	Intelligence	25	2	50
C	English	25	2	50
D	General Science	25	2	50
E	Social Science	25	2	50
	Total	**150**		**400**

General Instructions

- All questions are compulsory. Each question has four options; choose the one correct answer.
- Mathematics carries 4 marks per question; all other sections carry 2 marks per question.
- There is no negative marking in this practice paper.
- Rough work may be done in the margins. Use of calculators is not allowed.
- Syllabus: AISSEE Class IX (NTA), based on NCERT Class VIII books (and NCERT Class VI–VIII *Exploring Society* for Social Science).
- Suggested timing: Maths 80 min · Intelligence 25 min · English 25 min · Science 25 min · Social Science 25 min.

Name: _____ Roll No.: _____ Date: _____

SAMPLE PREVIEW

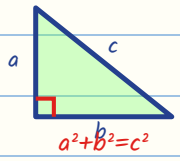
Section A – Mathematics

Questions 1–50 · 4 marks each · 200 marks

1. Which of the following is a Pythagorean triplet?

(a) (17, 64, 66) **(b)** (16, 63, 66)

(c) (8, 9, 10) **(d)** (16, 63, 65)



2. The length of a rectangle exceeds its breadth by 11 cm. If its perimeter is 42 cm, its length is

(a) 10 cm **(b)** 16 cm **(c)** 5 cm **(d)** 27 cm

3. The area of a circle of radius 14 cm is ($\pi = 22/7$)

(a) 616 cm² **(b)** 88 cm² **(c)** 1232 cm² **(d)** 638 cm²

4. The diagonals of a rhombus are 14 cm and 48 cm. Its area is

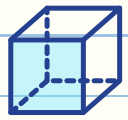
(a) 336 cm² **(b)** 168 cm² **(c)** 100 cm² **(d)** 672 cm²

5. Two adjacent angles of a parallelogram are in the ratio 7 : 8. The smaller angle is

(a) 168° **(b)** 94° **(c)** 96° **(d)** 84°

6. The smallest number by which 875 must be divided so that the quotient is a perfect cube is

(a) 49 **(b)** 5 **(c)** 8 **(d)** 7



7. Two angles forming a linear pair are $(3x + 15)°$ and $(1x + 77)°$. The value of x is

(a) 27 **(b)** 44 **(c)** 45 **(d)** 22

8. Two parallel lines are cut by a transversal. If one angle is 48°, its vertically opposite angle is

(a) 132° **(b)** 42° **(c)** 48° **(d)** 58°

9. The mode of 10, 7, 10, 25, 10, 6, 4, 7 is

(a) 25 **(b)** 10 **(c)** 4 **(d)** 7

10. Each exterior angle of a regular polygon is 24°. The number of sides is

(a) 17 **(b)** 15 **(c)** 30 **(d)** 14

11. Using an identity, 204^2 =

(a) 43216 **(b)** 40016 **(c)** 41600 **(d)** 41616

SAMPLE PREVIEW

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