



B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL



PERIODIC TEST-1 2026-27 MS: MATHEMATICS: SET 1

Class: IX
Date: 10.06.26
Admission no:

Time: 1hr
Max Marks: 25
Roll no:

General Instructions:

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1. This Question Paper has 4 Sections A, B, C and D.
2. Section A has 5 MCQs carrying 1 mark each
3. Section B has 3 questions carrying 02 marks each.
4. Section C has 2 questions carrying 03 marks each.
5. Section D has 2 questions carrying 04 marks each.
6. All Questions are compulsory.

SET 1 – DETAILED MARKING SCHEME

◆ SECTION A (1 mark each)

(All MCQs = 1 mark each)

1. (a)
2. (b)
3. (a)
4. $4\sqrt{3}$
5. (a)

◆ SECTION B (2 marks each)

Q7 (2m)

- $s = 21 \rightarrow 1$ mark
- $\text{Area} = 21\sqrt{11} \rightarrow 1$ mark

Q8 (2m)

- Any 2 correct → 1 mark
- All 4 correct → 2 marks

Example answers:

$$\sqrt{0.05}, \sqrt{0.06}, \sqrt{0.07}, \sqrt{0.08}$$

Q9 (2m)

- Steps → 1 mark
 - Diagram → 1 mark
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◆ SECTION C (3 marks each)**Q10 (3m)**

- $s = 21 \rightarrow 1$ mark
 - Area = 84 → 1 mark
 - Altitude = 12 → 1 mark
-

Q11 (3m)

- Side = 60 → 1 mark
- Formula → 1 mark
- Final answer

$$900\sqrt{3}$$

→ 1 mark

Q12 (3m)

- Split → 1 mark
- Convert → 1 mark
- Final answer

$$\frac{16}{45}$$

→ 1 mark

◆ SECTION D (4 marks)

Q13 (4m)

(i) $s = 21 \rightarrow 1$ mark

(ii) Area = 84 $\rightarrow 2$ marks

(iii) Cost = 1680 $\rightarrow 1$ mark

Q14 (4m)

Same scheme as Set 2:

- Rationalising factor $\rightarrow 1$
- Simplification $\rightarrow 1$
- Rationalisation $\rightarrow 2$

*****ALL THE BEST*****