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Practice Paper (2023-24)

Class - IX Mathematics

Time Allowed: 3 Hrs. General Instructions:

Maximum Marks: 80

- 1. This Question Paper has 5 Sections A, B, C, D, and E.
- 2. Section A has 20 Multiple Choice Questions (MCQs) carrying 1 mark each.
- 3. Section B has 5 Short Answer-I (SA-I) type questions carrying 2 marks each.
- 4. Section C has 6 Short Answer-II (SA-II) type questions carrying 3 marks each.
- 5. Section D has 4 Long Answer (LA) type questions carrying 5 marks each.
- 6. Section E has 3 sourced based/Case Based/passage based/integrated units of assessment (4 marks each) with sub-parts of the values of 1, 1 and 2 marks each respectively.
- 7. All Questions are compulsory. However, an internal choice in 2 Questions of 2 marks, 2 Questions of 3 marks and 2 Questions of 5 marks has been provided. An internal choice has been provided in the 2 marks questions of Section E.
- 8. Draw neat figures wherever required. Take $\pi = 22/7$ wherever required if not Stated.

SECTION A

O 1-20 are multiple choice questions. Each question is of 1 mark.

The product of any two irrational numbers is:

a.	always	am	irrational	number
	The Real Property of the Control of		The second second second	

- c. always an integer
- b. always a rational number d. sometimes rational, sometimes irrational
- 2. The perimeter of a triangle is 60 cm. If its sides are in the ratio 1:3:2, then its smallest side is

a. 15cm c. 10 cm b. 5 cm d, none of these

3. If (2, 0) is a solution of the linear equation 2x + 3y = k, then the value of k is:

a. -4

b. 6

- C. 5 d. 4
- 4. In figure, BC is a diameter of the circle and ∠BAO = 60. Then ∠ADC is equal to:



- $a.30^{\circ}$
- c. 60°

- b. 45° d. 120°
- 5. The base diameter of a cone is 10.5 cm, and its slant height is 10 cm. The area of a curved Surface is:
 - a. 150 sq.cm c.177 sq.cm

- b. 165 sq.cm
- d. 180 sq.cm

2014 Grade9 Final Exams Maths Paper

Jianjun Gao

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