

Practice Paper (2023-24)
Class – IX
Mathematics

Time Allowed: 3 Hrs.

Maximum Marks: 80

General Instructions:

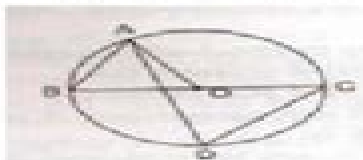
1. This Question Paper has 5 Sections A, B, C, D, and E.
2. Section A has 20 Multiple Choice Questions (MCQs) carrying 1 mark each.
3. Section B has 5 Short Answer-I (SA-I) type questions carrying 2 marks each.
4. Section C has 6 Short Answer-II (SA-II) type questions carrying 3 marks each.
5. Section D has 4 Long Answer (LA) type questions carrying 5 marks each.
6. Section E has 3 sourced based/Case Based/passages 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

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

1. The product of any two irrational numbers is:
 - a. always an irrational number
 - b. always a rational number
 - c. always an integer
 - 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
 - b. 5 cm
 - c. 10 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 $\angle BAO = 60^\circ$. Then $\angle ADC$ is equal to:



- a. 30°
- b. 45°
- c. 60°
- 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
 - b. 165 sq.cm
 - c. 177 sq.cm
 - d. 180 sq.cm

Ana Grade Maths Question Paper

Dr. J. Randhawa, Sukhman Kaur



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Arihant CBSE Term 1 English Language & Literature Sample Papers Questions for Class 10 MCQ Books for 2021 (As Per CBSE Sample Papers issued on 2 Sep 2021) Dolly Jain,2021-10-12 This year has witness major changes in the field of academics where CBSE s reduced syllabus was a pleasant surprise while the introduction of 2 Term exam pattern was little uncertain for students parents and teachers as well Now more than ever the Sample Papers have become paramount importance of subjects with the recent changes prescribed by the board Give final punch to preparation for CBSE Term 1 examination with the all new edition of Sample Question Papers that is designed as per CBSE Sample Paper that are issued on 02 Sept 2021 for 2021 22 academic session Encouraging with the motto of Keep Practicing Keep Scoring here s presenting Sample Question Paper Applied English Literature Language for Class 10th that consists of 1 10 Sample Papers along with OMR Sheet for quick revision of topics 2 CBSE Question Bank are given for complete practice 3 One Day Revision Notes to recall the concepts a day before exam 4 Latest CBSE Sample Paper along with detailed answers are provided for better understanding of subject TOC One Day Revision CBSE Question Bank Latest CBSE Sample Paper Sample Paper 1 10

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CBSE marking scheme 6 Focuses upon the question which needs the proper explanation 7 Offers detailed explanation and solution for each and every question 8 Helps in building student s confidence for the final examination 9 Perfect for practice as well testing your exam preparedness Key FeatureFree Mathematics 2011 2012 Solved PaperFree Science 2011 2012 Solved PaperIdeal to understand the exam patternWill give a clear idea of how to study and what to study for the exam

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$$\text{MnO}_4^- + 7\text{H}^+ + 5\text{e}^- \rightarrow \text{Mn}^{2+} + 4\text{H}_2\text{O}$$

$$\text{MnO}_4^- + 4\text{H}^+ + 3\text{e}^- \rightarrow \text{MnO}_2 + 2\text{H}_2\text{O}$$

$$\text{MnO}_4^- + 2\text{H}_2\text{O} + 3\text{e}^- \rightarrow \text{MnO}_2 + 4\text{OH}^-$$

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