

CLASS IX

Session- 2022-23

Subject- Mathematics

Sample Question Paper 4

Time Allowed: 3 hrs

Maximum Marks: 80

General Instructions:

1. This Question Paper has 5 Sections A-E.
2. Section A has 20 MCQs carrying 1 mark each
3. Section B has 5 questions carrying 02 marks each.
4. Section C has 6 questions carrying 03 marks each.
5. Section D has 4 questions carrying 05 marks each.
6. Section E has 3 case based integrated units of assessment (04 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 Qs of 5 marks, 2 Qs of 3 marks and 2 Questions of 2 marks has been provided. An internal choice has been provided in the 2 marks questions of Section E

Draw neat figures wherever required. Take $\pi = 22/7$ wherever required if not stated.

SECTION A

Section A consists of 20 questions of 1 mark each.

1. What is the value of $(256)^{0.16} + (256)^{0.09}$
(b) 4 (b)16 (c) 64 (d) 256.25
2. The simplest rationalising factor of $\sqrt[3]{500}$ is
(a) $\sqrt[3]{2}$ (b) $\sqrt[3]{5}$ (c) $\sqrt{3}$ (d) none of these
3. If $a + b + c = 9$ and $ab + bc + ca = 23$ then $a^2 + b^2 + c^2$
(a) 35 (b) 58 (c) 127 (d) none of these
4. If $x = -1$ and $y = 2$ is a solution of the equation $3x + 4y = k$, find the value of k .
(a)1 (b) 0 (c) 2 (d) 5
5. What is the distance between the graph of the equations $x = -3$ and $x = 2$
(a) 4 units (b) 6 units (c) 5 units (d) 2 units
6. The graph of the linear equation $2x - y = 4$ cuts the x axis at the point
(a) (2,0) (b) (-2,0) (c) (0,-4) (d) (0,4)
7. If two acute angles of a right angle are equal, then each acute is equal to
(a) 30° (b) 45° (c) 60° (d) 90°
8. If $\triangle ABC \cong \triangle LKM$ equal to side AC of $\triangle ABC$ is
(a) LK (b) KM (c) LM (d) None of these
9. The bisectors of the angle of a parallelogram enclose a
(a) parallelogram (b) rhombus (c) rectangle (d) triangle
10. The area of the triangle formed by the points A (2,0) , B(6,0) and C (4,6) is
(a) 24 sq units (b) 12 sq units (c) 10 sq units (d) none of these

Maths Question Paper For Class Cbse Sa22

Michael Rajnik



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questions 14 Mental Maths Maths problems for performing faster calculations mentally 15 Maths Master Involves deep critical thinking of learners about any topic concept relation fact or anything related to that chapter May have open ended questions or extension of the topic 16 Application in Real Life Every chapter in each book also explains how and where it is used in daily life 17 In the Lab Math lab activities for helping the learners understand the concepts learnt through hands on experience 18 Practice Zone Chapter wise practice sheets includes subjective questions for additional practice which are a part of each book

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functions using tables of values

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