

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) $\sqrt[3]{3}$ (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

Grade Question Papers 20

Lei Huang



Grade Question Papers 20:

Grade Question Papers 20 Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has been apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Grade Question Papers 20**," published by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve to the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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