

# 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)  $30^\circ$  (b)  $45^\circ$  (c)  $60^\circ$  (d)  $90^\circ$
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

# Model Papers For 9th Class

**Ensheng Dong**



## **Model Papers For 9th Class:**

*Arihant CBSE Term 1 Political Science Sample Papers Questions for Class 12 MCQ Books for 2021 (As Per CBSE Sample Papers issued on 2 Sep 2021)* Rajpriya Verma, Priyanshi Verma, 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 Political Sciences for Class 12th that consists of 1 10 Sample Papers along with OMR Sheet for quick revision of topics 2 One Day Revision Notes to recall the concepts a day before exam 3 Latest CBSE Sample Paper along with detailed answers are provided for better understanding of subject TOC One Day Revision The Qualifiers Latest CBSE Sample Paper Sample Paper 1 10

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possible grade in the exam This book will give you support during the course as well as advice you on revision and preparation for the exam itself The material is presented in a clear concise form and there are ample questions for practice

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