

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Which of the following is a quadrantal angle	A. 100° B. 200° C. 170° D. 270°
2	Question Image	A. $2x$ B. $3x^2$ C. 1 D. 0
3	Question Image	
4	In a triangle ABC, if angle A = 72° , angle B = 48° and c = 9 cm then \hat{C} is	A. 69° B. 66° C. 60° D. 63°
5	Question Image	
6	Question Image	A. $X = 100 \sin \theta$ B. $X = 10 \sin \theta$ C. $X = 100 \sec \theta$ D. None of these
7	The tangent to the parabola $y^2 = 4ax$ and perpendicular line from the focus on it meet	A. $x = 0$ B. $y = 0$ C. $x = -a$ D. $y = -a$
8	If $\underline{u} = 2\hat{i} + p\hat{j} + 5\hat{k}$ and $\underline{v} = 3\hat{i} + \hat{j} + p\hat{k}$ are perpendicular , then p=	A. 1 B. 2 C. -1 D. -3
9	The line $y = 4x + c$ touches the hyperbola $x^2 - y^2 = 1$ if	
10	Question Image	A. $3x^2 + 2$ B. $3x^2 + 2x + 3$ C. $x^3 + x^2$ D. none of these
11	The multiplicative inverse of $1 - 2i$ is	
12	The position vector of any point in space is	
13	Question Image	D. all are correct
14	A card is drawn from a pack of cards numbered 1 to 52, the probability that the number on the card is a perfect square is	A. $1/13$ B. $2/13$ C. $7/52$ D. None of these
15	Question Image	
16	1 4142135 is	A. A natural number B. A rational number

16 $1.7172133\dots$ is _____

- C. A prime number
- D. An irrational number

17 Question Image

- A. 0
- B. 20
- C. 90
- D. 80

18 Question Image

- A. quadrant I
- B. quadrant II
- C. quadrant III
- D. quadrant IV

19 Question Image

20 Question Image

- A. I quadrant
- B. II quadrant
- C. III quadrant
- D. IV quadrant