

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	The slope of the normal at the point $(at^2, 2at)$ of the parabola $y^2 = 4ax$ is	A. $1/t$ B. t C. $-t$ D. $-1/t$
3	Which of the following does not represent absolute value of a vector	A. magnitude B. length C. norm D. number
4	probability of a certain event is	A. 0 B. -1 C. 1 D. ∞
5	In following question, a number series is given with one term missing. choose the correct alternative that will same pattern and fill in the blank spaces. 1 , 4, 9, 16, 25, x	A. 35 B. 36 C. 48 D. 49
6	Question Image	
7	$(a,0) \times (c,0) =$	A. $(0,ac)$ B. $(ac,0)$ C. $(0,0)$ D. (a,c)
8	The point of concurrency of the angle bisectors of a triangle is called	A. incentre B. circumcentre C. e-centre D. centroid
9	The points of intersection of the line $y = 2x - 3$ and the circle $x^2 + y^2 - 3x - 2y - 3 = 0$ are:	A. two B. three C. less than two D. not intersect
10	$x = \sin^{-1} 3$, then the value of $\sin x$ is	A. $\sqrt{3/2}$ B. 3 C. Not possible D. -1
11	Question Image	A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule of fractions D. Rule for quotient of fractions
12	Question Image	
13	If the exponent in the binomial expansion is 6, then the middle term is	A. 2nd B. 3rd C. 4th D. 5th
14	Question Image	A. A B. B C. U D. None of these
15	The distance of the point $(-2, -3)$ from y-axis is	A. 2 B. -2 C. 3 D. -3
16	For two vector a and b, $a+b =$ _____	A. a b B. b+a C. b-a D. None
17	In quadratic equation, if the replacement of y with -y leaves the equation unchanged, then the graph is	A. Straight line B. Circle C. Hyperbola D. Ellipse

18 $(n + 2)(n + 1)n$ in factorial form is

19 202.04 is an example of

- A. Recurring decimals
- B. Non-recurring decimals
- C. Terminating decimals
- D. None of above

20 Question Image