

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The equation of the circle with centre (5, -2) and radius 4 is	A. $(x-5)^2 + (y+2)^2 = 16$ B. $(x-5)^2 + (y+2)^2 = 4$ C. $(x-5)^2 + (y-2)^2 = 16$ D. $(x-5)^2 + (y-2)^2 = 4$
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 0 C. 3 D. -3
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
4	2.333...is a	A. Irrational no B. Complex no C. Rational no D. None of these
5	If for the matrix A, $A^5 = I$, then $A^{-1} =$	A. A^2 B. A^3 C. A D. None of above
6	if $a_1 = 3$, $d = 7$ and $a_n = 59$, then the number of terms in A.P is	A. 7 B. 9 C. 11 D. 13
7	The magnitude of a vector can never be	A. Zero B. Negative C. Positive D. None of these
8	If the angle of a triangle are in the ratio 2 : 3 : 7, the triangle is	A. Obtuse B. Acute C. Right angle D. Isosceles
9	Every term of a G.P. is positive and also every term is the sum of two preceding terms. Then the common ratio of the G.P. is	
10	$a_n - a_{n-1}$ will be common difference in an A.P if	A. $n = 1 \forall n \in \mathbb{N}$ B. $n > 1 \wedge n \in \mathbb{N}$ C. $n \in \mathbb{Z}$ D. None of the above
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1.5 B. 1.2 C. 8 D. None of these
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
13	Which shape of the following objects are approximately parabolic arcs?	A. Light reflectors B. Force C. Weight of the pendul D. None of these
14	Let A is a 3 x 3 matrix and B is its adjoint matrix. If $ B = 64$, then $ A =$	
15	How many necklaces can be made from 6 beads of different colours?	A. 120 B. 60 C. 24 D. 15
16	Domain of tangent function is	
17	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
18	Question Image <input style="width: 500px; height: 20px;" type="text"/>	

19

Question Image

20

For all points (x,y) in fourth quadrant

- A. $x > 0, y < 0$
- B. $x > 0, y > 0$
- C. $x < 0, y < 0$
- D. $x < 0, y > 0$