

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The slope of the normal at (4,3) to the circle $x^2+y^2=25$ is	A. $3/4$ B. $-3/4$ C. $4/3$ D. $-4/3$
2	The middle term of $(x-y)^8$ is	A. $25x^4y^4$ B. $70x^4y^4$ C. $120x^4y^4$ D. $97x^4y^4$
3	If (0, 0) and (-1, 0) are end points of a diameter, then the equation of the circle is	
4	Gooch crucible is made of :	A. Brass. B. Porcelain. C. Bronze. D. Gold.
5	$8 \cdot 7 \cdot 6 \cdot 5$ in factorial form is	
6	If $x + y + 1 = 0$ touches the parabola $y^2 = \lambda x$, then λ is equal to	A. 2 B. 4 C. 6 D. 8
7	Question Image	A. 1 B. $1/2$ C. 0 D. None
8	The order of the differential equation of all conics whose axes coincide with the axes of co-ordinates is	A. 2 B. 3 C. 4 D. 1
9	Which of the following is not a unit vector	A. $[1, 1, 1]$ B. $[0, 1, 0]$ C. $[0, 0, 1]$ D. $[1, 0, 0]$
10	Question Image	
11	The n numbers $A_1, A_2, A_3, \dots, A_n$ are called an arithmetic means between a and b if $a, A_1, A_2, A_3, \dots, A_n, b$ is _____	A. An arithmetic series B. An arithmetic sequence C. A geometric sequence D. A harmonic sequence
12	If $a(p+q)^2 + bpq + c = 0$ and $a(p+r)^2 + 2bpr + c = 0$, then qr equals	A. $p^2 + c/a$ B. $p^2 + a/c$ C. $p^2 + c/a$ D. $p^2 - c/a$
13	Question Image	
14	QUQ, =	A. N B. R C. W D. Z
15	Question Image	
16	a _____ quantity is one that possesses both magnitude and direction.	A. Scalar B. Vector C. Segment D. None of these
17	Question Image	A. -1 B. 0 C. 1 D. undefined
18	The multiplicative inverse of (a,b) is	
19	$a^{-1} \cdot 1 =$	A. a^{-1} B. a

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Question Image