

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	QU Q' =	A. Q B. Q' C. N D. R
2	If $x^3 - x^2 + 5x + 4$ is divided by $x - 2$, then the remainder is	A. 0 B. 2 C. 18 D. 14
3	Question Image	
4	The order of the matrix $\begin{bmatrix} 1 & 2 & 3 \end{bmatrix}$ is	A. 1 x 1 B. 3 x 3 C. 3 x 1 D. 1 x 3
5	Question Image	
6	Question Image	A. 110 B. 220 C. 1320 D. None of these
7	How many types of an equation	A. 1 B. 3 C. 2 D. None
8	Question Image	A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule for fractions D. Rule for quotient of fractions
9	Question Image	A. $x = 0, y = 4$ B. $x = -1, y = 2$ C. $x = 2, y = 3$ D. $x = 3, y = 4$
10	Question Image	A. 5 B. 25 D. 3
11	Two tangents drawn from (2,3) to the circle $x^2 + y^2 = 9$ are	A. Real and distinct B. Imaginary C. Real and coincident D. None of these
12	The term involving x^4 in the expansion of $(3 - 2x)^7$ is	A. 120 B. 1512 C. 1250 D. 15120
13	The decimal fraction in which we have finite number of digits in its decimal part is called.	A. recurring decimal fraction B. Non terminating fraction C. Non recurring fraction D. terminating decimal fraction
14	Domain of $3 \sin x$ is _____	A. [-3, 3] B. R C. Positive real numbers D. None of these
15	The largest possible domain of the function: $y = \sqrt{x}$ is:	A. $(0, \infty)$ B. 12 C. $(3, 12)$ D. $(3, \infty)$
16	The line $3x - 4y = 0$	A. Is a tangent to the circle $x^2 + y^2 = 25$ B. Is a normal to the circle $x^2 + y^2 = 25$ C. Does not meet the circle $x^2 + y^2 = 25$ D. None of these

D. Does not pass thro' the origin

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Question Image

- A. An empty set
- B. Universal set
- C. A singleton set
- D. None of these

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The solution of the equation $\cos^2\theta + \sin\theta + 1 = 0$ lies in the interval

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Question Image

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Some of two real numbers is also a real number , this property is called:

- A. Commutative property w.r.t addition
- B. Closure property w.r.t. addition
- C. Associative property w.r.t. addition
- D. Distributive property w.r.t addition