

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	An indicated sum of terms of a sequence is represented by	A. S_n B. a_n C. $S(n)$ D. $\{S_n\}$
2	$(ABC)' =$	A. CBA' B. CBA C. $C'B'A$ D. $C'B'A'$
3	If $A = \{x / x \in \mathbb{R} \wedge x^2 - 16 = 0\}$ then $A =$	A. $-x$ B. Infinite set C. \emptyset D. $\{-4, 4\}$
4	The multiplicative inverse of (a, b) is	
5	Rank of matrix $[1 \ 3 \ 5 \ 0]$ is	A. 1 B. 3 C. 2 D. 4
6	The last term of $(1+2x)^{-2}$	A. $(-1)^{-2} (2x)^{-2}$ B. $(-1)^{-4} (-2x)^{-2}$ C. $(-1)^{-3} (2x)^{-3}$ D. Does not exist
7	There are 25 tickets bearing number from 1 to 25. One ticket is drawn at random. The probability that the number on it is a multiple of 5 or 6 is	A. $7 / 25$ B. $9 / 25$ C. $11 / 25$ D. None of these
8	Question Image	
9	The graph of a linear function is	A. a circle B. triangle C. a straight line D. none of these
10	$\sin(a + \beta) + \sin(a - \beta) =$ _____;	A. $2\cos a \cos \beta$ B. $2\sin a \cos \beta$ C. $2\cos a \sin \beta$ D. $-2\sin a \sin \beta$
11	Question Image	A. Polynomial of degree 0 B. Polynomial of degree 1 C. Polynomial of degree 2 D. Polynomial of degree n
12	The constant distance of all points of the circle from its centre is called the	A. Radius of the circle B. Secant of the circle C. Chord of the circle D. Diameter of the circle
13	The matrix $A = [a_{ij}]_{m \times n}$ with $m \neq n$ is always	A. Symmetric B. Hermitian C. Skew-symmetric D. None
14	The additive inverse of 1 is	A. 1 B. -1 C. 0 D. Does not exist
15	By expressing $\sin 125^\circ$ in terms of trigonometrical ratios, answer will be	A. $\sin 65^\circ = 0.9128$ B. $\sin 55^\circ = 0.8192$ C. $\sin 70^\circ = 0.5384$ D. $\sin 72^\circ = 0.1982$
		A. Rational numbers

16	The square root of every incomplete square is an	B. Even numbers C. odd numbers D. Irrational numbers
17	How many arrangements of the letters of the word PAKISTAN cab be made	
18	A function from X to Y is written as	B. $f : X \text{ to } Y$ D. $f : Y \text{ to } Y$
19	<div>Question Image</div>	A. Polynomial of degree 0 B. Polynomial of degree 2 C. Quadratic equation D. None of these
20	Graph of the question $x^2 + y^2 = 4$ is	A. A circle B. An ellipse C. A parabola D. A square