

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	What is the 26th term of the sequence, if its general term is $a_n = (-1)^{n+1}$	A. 2 B. 26 C. 27 D. 1
3	Question Image	A. 5 B. 10 C. 20 D. 30
4	If the domain of the function $f: x \mapsto 2x^3 + 1$ is $\{-1, 2, 3\}$, the range of the function is	A. $\{3, 2, 5\}$ B. $\{1, 3, 9\}$ C. $\{-1, -2, -3\}$ D. $\{3, 9, 19\}$
5	Question Image	A. 1.5 B. 1.2 C. 8 D. None of these
6	The set X is	A. Proper Subset of X B. Not A subset of X C. Improper Subset of X D. None of these
7	Question Image	
8	Each complex cube root of unity is square of	A. itself B. 1 C. -1 D. the other
9	The square matrix A is skew-symmetric when $A^t =$	A. -B B. -C C. -A D. -D
10	Question Image	
11	Question Image	
12	Question Image	A. $(2x+a+b+c)$ B. $(a+b+c)$ C. $(a+b+c+x)$ D. 0
13	The largest possible domain of the function: $y = \sqrt{x}$ is:	A. $(0, \infty)$ B. 12 C. $(3, 12)$ D. $(3, \infty)$
14	For every positive integers n $1+5+9+....+(4n-3)$ is	A. $n(2n-1)$ B. $(2n-1)$ C. $n-1$ D. n
15	$f(x) = \sin x + \cos^2 x$ is	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
16	If one end of the diameter of the circle $2x^2 + 2y^2 - 8x - 4y + 2 = 0$ is $(2, 3)$, the other end is:	A. $(2, 1)$ B. $(-2, 1)$ C. $(2, -1)$ D. $(1, -1)$
17	$i =$	A. $\sqrt{1}$ B. $\sqrt{2}$ C. $\sqrt{-2}$ D. $\sqrt{-1}$

AB is a vertical pole and C is its middle point. The end A is on the level ground and P is any

- 18 point on the level ground other than A. the portion CB subtends an angle β at P. If AP : AB = 2 : 1 then $\beta =$
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- 19 If the terminal rays of an angle falls on any axis then the angle is called
- A. Allied angle
B. Acute angle
C. Standard position
D. Quadrantal angle
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- 20 The number of ways of arranging the letter AAAAA BBB CCC D EE F in a row when no two C's are together is
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