

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The angles of elevation of the top of a tower at the top and the foot of a pole of height 10 m are 30° and 60° respectively. The height of the tower is	A. 10 m B. 15 m C. 20 m D. None of these
2	If the trace of matrix A is 5, then the trace of the matrix 3A is	A. 3/5 B. 5/3 C. 8 D. 15
3	Which one represents a sequence	A. an B. Sn C. a(n) D. {an}
4	Additive inverse of -a -b is	A. a B. -a + b C. a - b D. a + b
5	The square of the distance between two points P(x ₁ , y ₁) and Q(x ₂ , y ₂) is	
6	Question Image	
7	If G is the centroid of the triangle, then GA +GB+GC=	A. 0 B. 1 C. -1 D. 3
8	If $f(x) = x^2 - x$ then f(1) is	A. 0 B. 1 C. 2 D. 3
9	The point _____ is in the solution of the inequality $2x - 3y > 5$	A. (1, -1) B. (2,2) C. (0,0) D. (3,0)
10	Question Image	A. 2 C. -2 D. none of these
11	Question Image	A. Reciprocal equation B. Exponential equation C. Radical equation D. None of these
12	Three unbiased coins are tossed. Then the probabilities of getting two heads is	A. 3/8 B. 1/8 C. 1/4 D. None of these
13	One degree is denoted by	A. $1^{\sup>0\sup>}$ B. 1' C. 1" D. 1 rad
14	If C is the mid point of AB and P is any point outside AB, then	
15	Question Image	
16	The multiplicative inverse of -1 in the set {1-, 1} is	A. 1 B. -1 C. +1 D. 0
17	Sum of n terms of a geometric series if $ r < 1$ is	
18	Question Image	A. $2x - 3x + c$ C. $x^{\sup>2\sup>} - 3x + c$
19	Question Image	A. 1 / 2 B. 1 / 3 C. ...

C. 1 / 4
D. None of these

20 The sum of infinite numbers of terms of an arithmetic series is

- A. Finite
 - B. Infinite
 - C. May or may not finite
 - D. None of these
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