

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	In R, the additive identity is	A. 0 B. 1 C. -1 D. None
2	The consecutive terms of a progressions are 30, 24, 20. The next term of the progression is	
3		A. 36 B. 360 C. 24 D. 6
4		
5	Which term of the A.P 5,8,11,24.....is 320	A. 104th B. 106th C. 105th D. 64th
6	Which of the following sets is finite	A. The set of natural numbers between 3 and 10 B. The set of rational numbers between 3 and 10 C. The set of real numbers between 0 and 1 D. The set of rational numbers between 0 and 1
7		A. A B. 0 C. Unit vector D. None
8	The range of the principle cot function is	
9	If order of A is $m \times n$, then order of A^t is	A. $m \times m$ B. $n \times n$ C. $m \times n$ D. $n \times m$
10		A. 1 B. 14 l C. 0 D. None of these
11	$1/2, 1/3, 1/4, 1/5, \dots$ is	A. a geometric sec B. an arithmetic series C. finite sequence D. an infinite sequece
12	If $z_1 = 2 + 6i$ and $z_2 = 3 + 7i$, then which expression defines the product of z_1 and z_2 ?	A. $36 + (-32)i$ B. $-36 + 32i$ C. $6 + (-11)i$ D. $0, +(-12)i$
13	The distance of the point (-2, -3) from the origin is	A. 2 B. -5 C. -3
14	$\sqrt{23}$ is	A. A rational number B. A irrational number C. An even integer D. A factor of 36
15		A. l3 B. r l3 C. r D. none
16	In common logarithm the base is	A. 1 B. 0 C. 10 D. e

17	The proposition $S(n)$ for any $n \in \mathbb{N}$ is only true if $k \in \mathbb{N}$ and	A. $S(k+1)$ is true B. $S(1)$ is true and $S(k+1)$ is true whenever $S(k)$ is true C. $S(k+1)$ is true whenever $S(k)$ is true D. $S(k)$ is true
18	Question Image	A. Right angled B. Obtuse angled C. Isosceles D. Equilateral
19	If α, β are the roots of the equation $x^2 - 8x + p = 0$ and $\alpha^2 + \beta^2 = 40$, then value of p is	A. 8 B. 12 C. 10 D. 14
20	Question Image	D. none of these