

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A tower subtends an angle of 30° at a point distant d from the foot of the tower and on the same level as the foot of the tower. At a second point, h vertically above the firs, the angle of depression of the foot of the tower, is 60°. The height of the tower is	A. h/3 B. h/3d C. 3h D. 3h / d
2	Question Image	A3 -2i B. 3 +2i C. 1 + 2i D. 1 - 2i
3	n(n - 1) (n - 2) in factorial form is	
4	The set Q	A. Forms a group under addition B. Does not form a group C. Contains no additive indentity D. Contains no additive inverse
5	Question Image	
6	The multiplicative inverse of 0 is	A. 1 B1 C. 0 D. Does not exist
7	The trigonometric function are continuous whenever	A. They are defined B. their limit exist C. Their period is given D. All are incorrect
8	tan (-135°) = <i>\theta</i>	A. 0 B. 1 C. 2 D. 3
9	The angle of elevation of the tops of two towers at the middle point of the line joining the foots of the tower are 60 ^o and 30 ^o respectively. The the ratio of the heghts of the tower is	A. 2:1 B. 3:1 C. 1:2 D. 1:3
10	Question Image	D. none of these
11	Write the first four terms of the arithmetic sequence 5, 2, -1, is	A. 3 B4 C. 7 D. 1
12	Question Image	A. A rational number B. A irrational number C. An even integer D. A factor of 36
13	Question Image	A. n if n is even B. 0 for any natural number n C. 1 if in odd D. None of these
14	If $f(x) = x $, then (0,0) is the	A. Critical point B. Inflection point C. Stationary point D. None of these
15	Question Image	
16	The matrix A = [aij]mxn with m≠n is	A. Rectangular B. Symmetric C. Square D. None
17	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
		A. 6

18	The length of perpendicular from $(3,1)$ to $4x + 3y + 20 = 0$ is	B. / C. 3 D. 8
19	If 2 and 2 are x and y components of vector then its angle with x-axis is	A. 30 ° B. 45 ° C. 60 ° D. 90 °
20	Question Image	D. none of these