

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The angle of elevation of a tower from a point A due south of it is x and from a point B due east of A is y . If $AB = 1$, then the height h of the tower is given by	
2	Question Image	
3	If A is an event then which of the following is true	A. $P(A) < 0$ B. $0 \geq P(A) \leq 1$ C. $P(A) > 0$ D. None
4	If $f(x) = x^2$ then $f(-2)$ is	A. -2 B. 2 C. 4 D. -4
5	$\{0\}$ is a	A. Empty set B. Singleton set C. Zero set D. Null Set
6	The slope of y-axis is	A. 0 B. undefined C. 1
7	Question Image	D. none of these
8	Question Image	
9	The series obtained by adding the terms of a geometric sequence is called	A. Infinite series B. Arithmetic series C. Geometric series D. Harmonic series
10	2.333... is a	A. Irrational no B. Complex no C. Rational no D. None of these
11	The negation of given number is a	A. Binary operation B. Unary operation C. Relation D. None of these
12	Question Image	
13	If the sum of two unit vectors is a unit vector the the magnitude of their difference is	A. $\sqrt{2}$ B. $\sqrt{3}$ C. 1 D. None of these
14	If a, b, c are the measures of the sides of a triangle then	
15	Area of inscribed circle is	A. πR^2 B. πr^2 C. πr^2 D. πr^2
16	Two circles are said to be concentric if they have	A. same radius B. same chord C. same centre D. same diameter
17	Question Image	
18	The difference of two consecutive terms of an A.P is called the	A. Common difference B. Common ratio C. Geometric series D. Geometric mean
19	The parabolay $2=4ax$ open up if	A. $a < 0$ B. $a \neq 0$ C. $a > 0$ D. All are incorrect

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Point (2,0) lies on trigonometric function $f(x)=$ _____;

- A. $\sin x$
- B. $\cos x$
- C. $\tan x$
- D. $\sec x$