

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The complement of set A relative to universal set U is the set	
2	Question Image	
3	The formula $a_n = ar^{n-1}$ represents	A. nth term of G.P B. Sum of the first n terms C. G.M between a and b D. None of these
4	The function $f(x) = x $ is a/an _____ function	A. Even B. Odd C. Both even as well as odd D. Neither even nor odd
5	Question Image	A. $\sec x \tan x$ B. $-\operatorname{cosec} x \cot x$ C. $\sec^2 x$ D. $-\sin x$
6	$(0.90)^{1/2}$ is equal to	A. 0.99 B. 0.90 C. 0.80 D. 0.88
7	If n is not natural number, then the expansion $(1+x)^n$ is valid for	
8	The statement that a group can have more than one identity elements is	A. True B. False C. Fallacious D. Some times true
9	$\cos 2a =$ _____;	A. $\cos^2 a - \sin^2 a$ B. $2\cos^2 a - 1$ C. $1 - 2\sin^2 a$ D. All of these
10	The set of all points in the plane that are equally distant from a fixed point to called a	A. Parabola B. ellipse C. Hyperbola D. Circle
11	Question Image	
12	Trivial solution of homogeneous linear equation is	A. (0, 0, 0) B. (1, 2, 3) C. (1, 3, 5) D. a, b and c
13	If a, b, c, d, e, f are in A.P., then e-c is equal to	A. $2(c-a)$ B. $2(f-d)$ C. $2(d-c)$ D. $d-c$
14	Question Image	
15	Question Image	
16	Question Image	
17	The trigonometric function are continuous whenever	A. They are defined B. their limit exist C. Their period is given D. All are incorrect
18	The number of combinations of 10 different objects taken 8 objects at a time is	A. 90 B. 45 C. 55 D. 50
19	The Domain of $y = \sin x$ is _____	A. Set of real numbers B. Rational C. Irrational no. D. None of above

- A. associative law of addition
- B. closure law of addition
- C. Distributive law of addition
- D. Commutative law of addition