Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If 4 > b or a < b than a = b is a	A. Additive property B. Transitive property C. Trichotomy property of inequality D. None of above
2	Question Image	
3	Question Image	A. Symmetric property B. Cancellation property w.r.t. multiplication C. Reflexive property D. Transitive property
4	Range of 3 sin x is _____	A. [-3, 3] B. [-1, 1] C. R D. None of these
5	A vertical pole is 8m high and the length of its shadow is 6m. The angle of elevation of the sun of the moment is	A. 57□ B. -48□ C. 27□ D. 53□
6	How many comittees of 5 numbers can be chosen from a group of 8 players person when each committee must include 2 particular persons	A. 8! B. 5!3! C. 5! D. 20
7	Question Image	A. Lies between 4 and 7 B. Lies between 5 and 9 C. Has no value between 4 and 7 D. Has no value between 5 and 9
8	If 0 = {1,3,5.....}, then n (0) =	A. Infinite B. Even numbers C. odd integers D. 99
9	Question Image	D. none of these
10	Question Image	B. a f(x) + c C. f(x) + a
11	The set R is .....w.r.t subtraction	A. Not a group B. A group C. No conclusion drawn D. Non commutative group
12	¡^{101}=	A. i B. i² C. -i D. -1
13	The domain of the principle cos function is	
14	The process of finding a function whose derivative is given is called a	A. Differentiation B. Integration C. Differential D. None
15	If x,y are two positive distinct numbers then	A. A>G>H B. A<G<H C. A=G=H D. None of these
16	If origin is the mid point of (a,3) and (5,b) then	A. a = -5 , b = -3 B. a = 5 , b =3 C. a = -5 , b = 3 D. a = 5 , b = -3
17	Question Image	
18	An expression involving any of the symbols < > ≤ or ≥ is called	A. equation B. inequality

18	An expression involving any of the symbols <,>,≤ or ≥ is called	C. linear equation D. identity
19	The centre of the circle x2+y2 -2fx-2gy+x=0 is	A. (-g,-f) B. (g,f) C. (f,g) D. (-f,-g)
20	The point P (5,8) and the origin lie on the side of the line 3x+ 7y+ 15 =0	A. Same side B. P above and origin below C. Opposite side D. P below and origin above