Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The roots of px2 - (p-q)x-q=0 are	A. equal B. Irrational C. Rational D. Imaginary
2	Question Image	
3	If f (x) = 2x+1 then fof (x) = _____;	A. 4x+3 B. 2x +3 C. 4x +1 D. None of these
4	Question Image	
5	The tangents drawn from the point P to a circle are imaginary if	A. P is on the circle B. P is inside the circle C. P is outside the circle D. none of these
6	$\forall a,b,c \in R$, a >b $\wedge$ b>c $\Rightarrow$ a >c is	A. Trichotomy property B. Transitive property C. Symmetric property D. Additive property
7	{x : xε Z and x < 1} is	A. Singleton set B. A set with two points C. Empty set D. None of these
8	If y = 2x , then	A. y1 -ln2y = 0 B. y2-(ln2)2 y = 0 C. y2-(ln2)y1 = 0 D. All are correct
9	The equation of the normal to the circle $x^2+ y^2= 25$ at (4, 3) is	A. 3x - 4y =0 B. 3x - 4y =5 C. 4x + 3y = 5 D. 4x + 3y = 25
10	Three numbers are chosen random without replacement from {1, 2, 3, ..., 10}. the probability that minimum of the chosen numbering is 3 or their maximum is 7	A. 7 / 40 B. 5 / 40 C. 11 / 40 D. None of these
11	22.5°=_____	
12	6 is	A. A prime integer B. An irrational number C. A rational number D. An odd integer
13	Question Image	A. 3/4 B. r C. v D. None of these
14	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
15	Question Image	A. Biconditional B. Implication C. Antecedent D. Hypothesis
16	A fraction in which the degree of the numerator is greater than or equal to the degree of the denominator is called	A. A proper fraction B. An improper fraction C. An equation D. An identity
17	Question Image	
		A. 1

18	If x-2 and x-1 both are factors of $x^3-3x^3+2x-4p$, then P must equal to	B. 2 C. 0 D. -2
19	If sided of□ABC are 16,20,and 33, then the value of the greatests angle to	A. 150□ 20' B. 132□ 35' C. 101□ 25' D. 160□ 50'
20	Tan 360° = _____	A. -1 B. 0 C. 1 D. Undefined