Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The domain of an infinite sequence is a	A. Set of natural numbers B. R C. Subset of N D. None of the above
2	Question Image	
3	A - B = _____	
4	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
5	$\forall\ a\ \varepsilon\ R\ \exists\ o\ \varepsilon\ R$ such that a + v = 0 + a = a is property of	A. Commutative law of addition B. Associative law of addition C. Additive identity D. Additive inverse
6	Question Image	
7	The first three terms in the expansion of $(1 - x)^{-3}$ are	A. $1 + 3x + 6x^2$ B. $1 - 3x + 6x^2$ C. $-3 - 3x - 6x^2$ D. $1 - 3x - 6x^2$
8	The 10th common term between the series 3+7+11+....... and 1 + 6 +11 + ... is	A. 191 B. 193 C. 211 D. None of these
9	The value of $\sin^{-1} 5/13$ is equal to	A. Cos 5/13 B. $\text{Tan}^{-1}\ 5/12$ C. $\cos^{-1} 5/12$ D. $2\cos^{-1} 4/5$
10	Question Image	A. 0 B. 1
11	The distance of the point (a, b) from x-axis is	A. a B. b C. a + b
12	Question Image	
13	The principal value of $\sin^{-1}[-\sqrt{(\sqrt{3})}\ /2]$ is	A. 5π/3 B. -2π/3 C. -<img width="9" height="19" src="file:///C:/Users/Softsol/AppData/Local/Temp/msohtmlclip1/01/clip_image002.png" v:shapes="_x0000_i1025">π/3<p class="MsoNormal"><!--[endif]--><o:p></o:p></p> D. π/3
14	If S is a sample space and event set E =Φ then P(E) is	A. >0 B. 1 C. <1 D. 0
15	Question Image	
16	Area of $\triangle$ABC=	A. ab sin<i>α</i> B. 1/2 ab sin<i>α</i> C. 1/2 ac sin<i>γ</i> D. 1/2 ac sin<i>β</i>
		A. P(A)<0

17	If A is an event then which of the following is true	B. 0≥P(A)≤1 C. P(A)>0 D. None
18	Question Image	
19	Area of the triangle whose vertices are (2,3), (0,1),(0,0) is	A. 6 B. 2 C. 4 D. 1
20	If A is a skew-symmetric matrix of order n and P, any square matrix of order n.prove that P' AP is	A. Skew-symmetric B. Symmetric C. Null D. Diagonal