Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. A B. B C. U D. None of these
2	If the expansion of $(1 + x)^{20}$, then co-efficient of rth ad $(r + 4)$th term are equal, then r is	A. 7 B. 8 C. 9 D. 10
3	An integral of $1/x$ dx is:	A. $1/x^2$ B. $1/-x^2$ C. $1/\ln x$ D. $\ln x$
4	A coin is tossed. If head comes up, a die is thrown but if tail comes up, the coin is tossed again. The probability of obtaining a head and an even number is	A. 1/8 B. 2/8 C. 3/8 D. None of these
5	The probability that a slip of numbers divisible by 4 is picked from the slips of number 1,2,3,4,......10 is	A. 1/5 B. 2/5 C. 1/10 D. 3/10
6	If the matrices A and B have the order 1 x 10 and 10 x 1 then order of AB is	A. 1 x 1 B. 1 x 10 C. 10 x 10 D. 10 x 1
7	If $n \in Z+$ then $(a+x)n$ is a/an	A. Finite series B. Convergent series C. Infinite series D. Divergent series
8	Number of terms in the expansion of $(a+x)^n$ is	A. n - 1 B. n + 1 C. n + 2 D. n + 3
9	Question Image	D. none of these
10	Question Image	A. $l^2 + m^2 + n^2 = 0$ B. $l^2 - m^2 + n^2 = 1$ C. $l^2 + m^2 + n^2 = 1$ D. $l^2 + m^2 - n^2 = 0$
11	If A and B are two matrices such that AB = B and BA = A, then $A^2 + B^2 =$	A. 2 AB B. 2 BA C. A + B D. AB
12	Arithmetic mean between 14 and 18 is	A. 16 B. 17 C. 15 D. 32
13	Cos $(\cos 4\pi/3)=$	A. π/2 B. π/3 C. 2π/3 D. -π/3
14	the curve of the parabola $y^2 = -4ax$ is symmetric with respect to	A. x -axis B. y - axis C. Botha x and y- axis D. None of thes
15	Question Image	A. I and II quadrants B. I and III quadrants C. II and III quadrants

16	Question Image	
17	Question Image	A. 2 B. 4 C. 3 D. 16
18	Question Image	
19	The trigonometric function are continuous whenever	A. They are defined B. their limit exist C. Their period is given D. All are incorrect
20	Question Image	