Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The distance of the point (-2 , -3) from x-axis is	A. 2 B. -3 C. 3 D. 5
2	If order of A is m x n, then order of A^t is	A. m x m B. n x n C. m x n D. n x m
3	Two coins are tossed twice each. The probability that the head appears on the first toss and the same forces appear in the two tosses is	A. 1/4 B. 1/2 C. 1/3 D. 1/7
4	The sum of the focal distance from any point on the ellipse $9x^2 + 16y^2 = 144$ is	A. 32 B. 16 C. 18 D. 8
5	Question Image	
6	Question Image	A. cos 2x B. 2 cos 2x C. 2 sin2x D. -2 cos2x
7	Question Image	
8	Through how many radians does the hour hand of a clock turn in one hour	
9	Question Image	
10	Digit in the unit place of the number $183! + 3^{183}$	A. 7 B. 6 C. 3 D. 0
11	If $2 \tan^1(\cos x) = \tan^{-1}(\cosec^2 x)$, then x is equal to	A. π/3 B. π/2 C. π/6 D. π
12	A card is drawn from a pack of cards numbered 1 to 52, the probability that the number on the card is a perfect square is	A. 1/13 B. 2/13 C. 7/52 D. None of these
13	A committee consists of 9 experts taken from three institutions A, B, and C, of which 2 are from, A, 3 form B and 4 from C. If three experts resign, then the probability that they belong to different institutions is	A. 1 / 729 B. 1 / 24 C. 1 / 21 D. 2 / 7
14	The middle term of $(x-y)^8$ is	A. $25 x^4 y^4$ B. $70 x^4 y^4$ C. $120 x^4 y^4$

15	Question Image	A. 2 B. 6
16	The number of subset of {0} is	A. 1 B. 2 C. 3 D. None
17	If ab > 0 and a < 0, which of the following is negative?	A. b B. -b C. -a D. $(a - b)^2$
18	$f(x) = 3x^4 - 2x^2 + 7$ is:	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
19	u,v,wand u x (v.w) are	A. Equal B. Parallel C. Additive immense of each other D. Meaningless
20	Question Image	