Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. I quadrant B. II quadrant C. III quadrant D. IV quadrant
2	If $a^x = b^y = c^z$ and a, b, c are in G.P. then x, y, z are in	A. A.P. B. G.P. C. H.P. D. None of these
3	Two cards are drawn at random from a well shuffled pack of cards. The probability that at least one of them is a face card is	A. 3 / 17 B. 5 / 17 C. 7 / 17 D. 9 / 17
4	Question Image	
5	Question Image	
6	$i^{-(4n+2)} =$ ------------------------------	A. 1 B. i C. -1 D. -i
7	Question Image	
8	$\sqrt{(-1b)} = ?$	A. b i B. -i b C. b2 D. i$\sqrt{b}$
9	Which of the following is a vector.	A. work B. time C. density D. electric field
10	Question Image	
11	A joint equation of the lines through the origin and perpendicular to the lines $ax^2 +2hxy +by^2 =0$ is indentical is $ax^2 +2hxy +by^2 =0$ if	A. h2 = ab B. a + b =0 C. a = b D. a≠ b E. a = b = 0
12	Question Image	
13	Question Image	D. none of these
14	f(x) = x is	A. trigonometric function B. exponential function C. quadratic function D. identify function
15	u,v,wand u x (v.w) are	A. Equal B. Parallel C. Additive immense of each other D. Meaningless
16	Three points whose position vector a,b,c are collinear	A. axb +b x c+ c x a = 0 B. a,b +b,c +c,a =0 C. a,|a xc| =0 D. a+b+c =0
17	$f(x) = 3x/x^2 + 1$ is:	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
18	If the angle between two vectors u and v is 0 orπ, then the vectors u and v are:	A. Orthogonal B. Collinear C. Perpendicular D. None of these

19	Period of tan x is _____	
20	If a,b c are sides of a triangle taken in order then a x b =	A. b x c B. b x a C. cxa D. Both a & b