Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The distance of the point (a,b) from y-axis is	A. a B. b C. a + b
2	The real number system contains.	A. Positive Numbers B. Negative numbers C. Zero D. (option a, b and c)
3	Question Image	A. direction ratios B. direction cosines C. direction angles D. none of these
4	The set {{a,b}} is	A. Infinite set B. Singleton set C. Two points set D. None
5	1^0= _____	
6	Question Image	
7	Question Image	
8	Question Image	A. The law of consines B. The law of sines C. The law of tangents D. None of these
9	Question Image	A. I quadrant B. II quadrant C. III quadrant D. IV quadrant
10	The axis of the parabola $x^2 = 4ay$ is:	A. y = 0 B. x = 0 C. x = -a D. y = a
11	Two cards are drawn at random without replacement. the probability that the first is a king and second is not a king is	A. 48 / 663 B. 24 / 663 C. 12 / 663 D. None of these
12	Question Image	
13	Question Image	
14	If $\cos^{-1}p + \cos^{-1}q + \cos^{-1}r = \pi$then $p^2+ q^2+ r^2+ 2pqr$ is equal to	A. 3 B. 1 C. 2 D. -1
15	The number z so that the triangle with vertices A(1,-1,0),B(-2,2,1)and C(0,2,z) is a right triangle with right angle at vertex C	A. 1,2 B. -1,-2 C. 2,-1 D. -2,1
16	Question Image	D. none of these
17	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
18	What is the number of elements of the power set of { }	A. 0 B. 1 C. 2 D. 3
19	Question Image	
		A. Hyperbola

20	If e,e′ be the eccentricities of two conics S=0 and S′ =0 and if e2 +e′2 =3 then both S and S′ can be	A. Hyperbola B. Parabolas C. Ellipses D. None of these