Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	D. None of these
2	Area of the triangle whose vertices are (2,3),(0,1),(0,0) is	A. 6 B. 2 C. 4 D. 1
3	Question Image	
4	Identity w.r.t intersection in a power set of any set is	A. ⌀ B. Set itself C. Singleton set D. {0}
5	If circumference of circle is divided into 360 congruent parts the angle subtended by one part at the centre of circle is	A. 1 degree B. 1 second C. 1 minute D. 1 radian
6	If x-2 and x-1 both are factors of x^3-3x^3+2x-4p, then P must equal to	A. 1 B. 2 C. 0 D. -2
7	If the circle x^2+ y^2+ 2gx +2fy + c = 0 passes through the origin then	A. c = 0 B. c = -1 C. c = -2 D. c = 1
8	If a,b = 0 then	A. a |b B. a||b C. a = b D. None
9	Question Image	C. 2x D. 2
10	Question Image	A. I quadrant B. II quadrant C. III quadrant D. IV quadrant
11	Question Image	A. 0 B. 1 C. -1 D. undefined
12	Question Image	B. tan 3x + c C. cot 3x + c D. - cot 3x + c
13	Question Image	A.
14	The matrix A = [aij]mxn with m ≠n is always	A. Symmetric B. Hermition C. Skew-symmetric D. None
15	Question Image	B. ln(x²- x + 1) ⁴+ c
16	1+3x+6x2 +10x3 +....=	A. (1+x)-3 B. (1-x)-2 C. (1-x)-3 D. (1+x)-2
17	Question Image	D. none of these
18	For f(x) = x2, what is the value of f(a) +f (-a) in terms of a?	A. 3a2 B. 2a2 C. 2a D. -7a
		A. 1/9

19	If 0 = R, thenthe additive inverse of a is	B. ^{1/-9} C. a D. -a
20	The law of sines can be used to solve oblique triangle when following information is given:	A. Two angles and a side B. Two sides and an angle opposite one of the given sides C. Two sides and the angle between two sided D. Option a and b