Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	D. none of these
2	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
3	The measure of the acute angle between the lines represented by $x^2 - xy - 6y^2 = 0$ is	A. 120° B. 30° C. 130° D. 45°
4	The value of sin 28°cos 17°+cos 28°sin 17°is	
5	E-radius corresponding to < A is	
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	Question Image	
8	What is the circular measure of the angle between the hands of a watch at 4 O'clock	
9	The distance of the point (2, -3) from x-axis is	A. -2 B. -3 C. 2 D. 3
10	PQ is a post of given height a, and AB is a tower at some distance; α and β are the angles of elevation of B, the top of the tower, at P and Q respectively. The height of the tower and its distance from the post are	
11	A function which is to be maximized or minimized is called an	A. Explicit function B. Implicit function C. Objective function D. None
12	The fifteenth term of $(3-a)^{15}$ is	A. $-17a^{12}$ B. $-945a^{13}$ C. $-941a^{13}$ D. $-515a^{12}$
13	If the circumference of a circle is divided into 360 congruent parts, the angle subtended by one part at the centre of the circle is	A. 1^0 B. 1' C. 1" D. 1 rad
14	Apollonius was a:	A. Rocket B. Muslims scientist C. Greek mathematicians D. Method of finding conics
15	If for the matrix A,A5 = 1,then A-1=	A. A2 B. A3 C. A D. None of above
16	The graph of linear equation 2x + 3y = 10	A. Parabola B. Circle C. Hyperbola D. Straight line
17	If 0 = R, thenthe additive inverse of a is	A. 1/9 B. $^{1/-9}$ C. a D. -a
18	(A ∩ B)c =	A. A∩ B B. (A ∪ B)c C. Ac∪Bc D. Φ

19	$\sin^{-1}(\sin 2\pi/3) =$	A. $\pi/2$ B. $2\pi/3$ C. $-3\pi/2$ D. $\pi/3$
20	The coefficient of x^{18} in $(ax^4-bx)^9$ after expansion is	A. $84a^3 b^6$ B. $22a^3b^6$ C. $27a^4b^5$ D. $28a^3b^6$