Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Every real number is	A. a positive integer B. a rational number C. a negative integer D. a complex number
2	Question Image	
3	Question Image	
4	Root of the equation $3^{x-1} + 3^{1-x} =$ is	A. 2 B. 1 C. 0 D. -1
5	The set of all points in the plane that are equally distant from a fixed point to called a	A. Parabola B. ellipse C. Hyperbola D. Circle
6	Question Image	A. Diagonal matrix B. Scalar matrix C. Triangular matrix D. Identity matrix
7	Question Image	
8	One minute is denoted by	A. 1^0 B. 1' C. 1" D. None of these
9	$x = \sin^{-1} 3$, then the value of $\sin x$ is	A. $\sqrt{(3/2)}$ B. 3 C. Not possible D. -1
10	Question Image	A. $e^x + c$ B. $e^{-x} + c$ C. $x e^x + c$ D. not possible
11	1 radian = _____	A. 60° B. 57.296° C. 57.2° D. 180°
12	Question Image	
13	The multiplicative inverse of 4 is	A. -4 B. -1/4 C. 1/4 D. 1
14	The point which divides the line segment joining the points (a, b) and (c, d) in the ratio 2 : 3 internally is	D. none of these
15	The roots of the equation 4x - 3.2x+2 + 32 = 0 would include	A. 1 and 3 B. 1 and 4 C. 1 and 2 D. 2 and 3
16	Question Image	
17	If G is the centroid of the triangle, then GA +GB+GC=	A. 0 B. 1 C. -1 D. 3
18	If _a_and _b_are two vectors then a+b =	A. b + a B. b - a C. ab D. a^ b

19	The angle of depression of a point situated at a distance of 70 meters from the base of a tower is 45°. The height of the tower is	A. 70 m B. 85 m C. 35 m D. None of these
20	$(1+w)(1+w2)(1+w4)(1+w8)....50$ factors	A. 0 B. -1 C. 1 D. 2