Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers
2	Question Image	
3	The sum of all even numbers less than 100 is	A. 2450 B. 2352 C. 2272 D. 2468
4	Question Image	
5	The term involving x^4 in the expansion (3-2x) is	A. $217x^4$ B. $15120x^4$ C. $313x^4$ D. $-25x^4$
6	An equation containing at least one derivative of a depends variable with respect to independent variable is a (an)	A. Implicit equation B. Differential equation C. General equation D. None of these
7	$(x + 2)^2 = x^2 + 4x + 4$ is	A. A linear equation B. A cubic equation C. A quadratic equation D. None
8	The distance of the point (2,3) from origin is	B. 5 C. 2 D. 3
9	Every identity matrix is	A. Row-vector B. Scalar C. Column-vector D. All
10	If a_n= 2n -3, write the first four terms	A. -3, -1, 1, 3 B. 1, 3, 5, 7 C. -1, 1, 3, 5 D. None of these
11	Question Image	
12	Which of the following is not a quadrantal angle	A. 90° B. 100° C. 180° D. 270°
13	If y=sin(ax+b) then y4=_____:	A. sin4(ax+b) B. a4sin(ax+b) C. a4cos(ax+b) D. None of these
14	Question Image	
15	The directrix of y2 =-4ax is	A. y =-a B. y = a C. x = a D. x = -a
16	Question Image	A. (-1, 2) B. (-1, 1) C. (1, 2) D. {-1}
17	In polar form of complex number r =	
18	If you are looking someone on the ground from the top of a hill the angle formed is called angle of _____;	A. Elevation B. Depression C. Right angle D. None off these

| 19 | If the vector 2i + 4j - 7k and 2i + 6j + xk are perpendicular then x = ? | A. 0
 B. 2
 C. 4
 D. 7 |
| 20 | What is the period of 5 cot x=? | A. π
 B. -π
 C. π/2
 D. 2π |