Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. Linear equation B. Quadratic equation C. Cubic equation D. None of these
2	Question Image	A. quadratic function B. constant function C. trigonometric function D. linear function
3	A sequence is a function whose domain is	A. N B. Subset of N C. R D. None of these
4	Question Image	A. cos 3x + c B. - cos 3x + c
5	The angle of elevation of the top of a tree from a point 17 meters from is foot is 42° The height of the tree is	A. 12m B. 21m C. 17m D. 15m
6	If the angle between two vectors with magnitude 2 and 15 is 30° then their scalar product is	B. 15 C. 30
7	A square matrix A for which $A^t = A$ is called a	A. Column matrix B. Symmetric matrix C. Skew-symmetric matrix D. Row matrix
8	The function whose range consists of just one element is called	A. One-One Function B. Identity Function C. Onto Function D. Constant Function
9	Question Image	
10	A triangle which is not right angle is called _____ triangle	A. acute B. Obtuse C. Right D. Oblique
11	A dice is rolled. The probability that the dots on the top are greater than 4 is	A. 1/6 B. 1/3 C. 1/2 D. 1
12	Question Image	
13	tan h x = _____	
14	The number of significant numbers which can be formed by using any number of the digits 0, 1, 2, 3, 4 but using each not more than once in each number is	A. 260 B. 356 C. 410 D. 96
15	The integral of $3x^5 dx$ is:	A. $15 x^4$ B. $x^6/2$ C. $1/6x^5$ D. $x^5/\ln 3$
16	$(x + 2)^2 = x^2 + 4x + 4$ is	A. A linear equation B. A cubic equation C. A quadratic equation D. None
17	What is the 26th term of the sequence, if its general term is $a_n = (-1)^{n+1}$	A. 2 B. 26 C. 27 D. 1
18	Three unbiased coins are tossed. Then the probabilities of getting two heads is	A. 3/8 B. 1/8 C. 1/4

| 19 | Question Image | |
| 20 | Question Image | A. 0
B. 1
C. -1
D. None of these |