Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A = [3] is a/an	A. Square matrix B. Scalar matrix C. Diagonal matrix D. Identity matrix
2	Question Image	A. sin h x B. cos h x C. sec h x D. cosec h x
3	The familiar plane curves, namely circle, ellipse, parabola and hyperbola are called:	A. cones B. conics C. nappes D. apex
4	If C={p/p < 18, p is a prime number}, then C =	A. {2,3,4,.....17} B. {2,4,6,8.....16} C. {1,3,5,7,9,11,13,15,17} D. {3,6,9,12,15}
5	The√ is used for the	A. Positive square root B. Negative square root C. +ve and -ve square root D. Whole number
6	In R, the multiplicative inverse of a is	A. 0 B. 1 C. -a D. 1/a
7	Geometrically, the modulus of a complex number represents its distance from the	A. Point (1, 0) B. Point (0, 1) C. Point (1, 1) D. Point (0, 0)
8	Question Image	A. Reflexive property B. Symmetric property C. Transitive property D. Additive property
9	a _____quantity is one that possesses both magnitude and direction.	A. Scalar B. Vector C. Segment D. None of these
10	Question Image	A. A B. A' C. U D. None of these
11	The 31 term of the A.P 5,2,-1.....is	A. -82 B. 82 C. 85 D. -85
12	Question Image	A. 1 B. 2 C. 3 D. 4
13	Question Image	A. Two real roots B. Two positive roots C. Two negative roots D. One positive and one negative root
14	The real numbers which satisfy an inequality form its	A. solution B. coefficient C. domain D. range
15	$(0.90)^{1/2}$is equal to	A. 0.99 B. 0.90 C. 0.80

		D. 0.88
16	If two balls are drawn from a bag containing 3 white, 4 black and 5 red balls. Then the probability that the drawn balls are of different colours is	A. 1 / 66 B. 3 / 66 C. 19 / 66 D. 47 / 66
17	Question Image	A. One-to-one and onto B. One-to-one but not on to C. Onto but not one-to-one D. Neither one-to-one nor onto
18	Question Image	A. 2 B. 4 C. 6 D. 8
19	$i^{(4n+2)}$ = ----------	A. 1 B. i C. -1 D. -i
20	Question Image	A. A B. A' C. U D. None of these