Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	(A∩Bc)c= ----------	A. Ac∪Bc B. Ac∪B C. Ac∩B D. None of these
2	The function f(x) =|x| is a/an_____function	A. Even B. Odd C. Both even as well as odd D. Neither even nor odd
3	The distance of the points (3, 4, 5) from y-axis is	
4	The 7th term of the A.P 7,11,15,is	A. 24 B. 31 C. 26 D. 23
5	Question Image	
6	e-radii are denoted by	A. η B. r2 C. r3 D. All of these
7	The decimal fraction in which we have finite number of digits in its decimal part is called.	A. recurring decimal fraction B. Non terminating faction C. Non recurring fraction D. terminating decimal fraction
8	sin5θ+sin3θ = _____;	A. 2sin 4θ cosθ B. 2cos 4θ sinθ C. 2cos 4θ cosθ D. -2sin 4θ sinθ
9	Question Image	C. ln f(x) + c D. f(x) - c
10	The condition for polynomial equation $ax^2+ bx + c = 0$ to be quadratic is	
11	The set {{a,b}} is	A. Infinite set B. Singleton set C. Two points set D. None
12	Roots of the equation $x^2- 7x + 10 = 0$ are	A. {2, 5} B. {-2, 5} C. {2,5} D. {-2,-5}
13	There is no integer n for which 3^n is	A. Odd B. even C. Natural D. Prime
14	How many necklaces can be made from 6 beads of different colours?	A. 120 B. 60 C. 24 D. 15
15	The 7th term of $(3^8 + 6^4x)^{11/4}$ is	A. -19217/3 x⁶ B. 189/2 6⁴x C. 2227/12 x³ D. -19712/3 x⁶
16	Question Image	A. 4 B. 3 C. 2 D. 1
17	Question Image	A. -1 B. 1 C. 2 D. -2

18	$f(x) = 2^{x} + 3 \cdot 2^{2x} + 5$ is	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
19	A bag contains 7 whit, 5 black and 4 rd balls. If two balls are drawn at random from the bag, the probability that they are not of the same color is	A. 73 / 120 B. 83 / 120 C. 67 / 120 D. 43 / 120
20	If A is singular then |A| = _____	A. 1 B. 0 C. 2 D. None of these