Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The probability that a person A will be alive 15 years hence is 5/7 and the probability that another person B will be alive 15 years hence is 7/9. Find the probability that both will be alive 15 years hence	A. 4/63 B. 5/9 C. 45/49 D. None of these
2	$x^3+ 2x^2- 3x + 5$ is _____	A. An equation B. A polynomial C. Proper rational fractions D. Improper rational fractions
3	Question Image	A. c = 0 B. c = -1 C. c = -2 D. c = 1
4	If A∩B=B, then n(A∩B) is equal to	A. n(a) B. n(a)+n(c) C. n(c) D. None of these
5	Given X.Y are any two sets such that number of elements in X = 18, number of elements in set Y = 24,and number of elements in set X∪ Y =40,then number of elements in set x∩ Y =	A. 3 B. 1 C. 2 D. 4
6	Question Image	
7	Question Image	
8	Multiplicative inverse of "1" is	A. +- 1 B. 0 C. 1 D. None of these
9	Question Image	
10	The additive identity of real number is	A. 1 B. 2 C. 1/2 D. 0
11	Question Image	A. 1/2 B. 2 C. 1/4 D. 4
12	If S and P are the sum and the product of roots of a quadratic equation, then the quadratic equation is	A. x²+ Sx - P = 0 B. x²- Sx + P = 0 C. x²- Sx - P = 0 D. X²+ Sx + P = 0
13	9. 8. 7. 6= _____	
14	i^9 =	A. i² B. -1 C. 1 D. i
15	If A is an event then which of the following is true	A. P(A)<0 B. 0≥P(A)≤1 C. P(A)>0 D. None
16	The square root of 2i - 20i is	A. +-(5 - 2i) B. +-(5 + 2i) C. (5 - 2i) D. None of these
17	The equation of the normal to the circle $x^2+ y^2= 25$ at (4, 3) is	A. 3x - 4y =0 B. 3x - 4y =5 C. 4x + 3y = 5 D. 4x + 3y = 25
		A. 1/12

18	Six boys and 3 girls are to be seated at random, in a row, for a photograph. The probability that no two girls will sit together is	B. 1/6 C. 5/12 D. 7/12
19	Which of the following is a factor of $x^3 - 3x^2 + 2x - 6$	A. x + 2 B. x + 3 C. x - 3 D. x - 4
20	A function which is to be maximized or minimized is called an	A. Explicit function B. Implicit function C. Objective function D. None