Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. $^{10}C_6$ B. $^{10}C_5$ C. $^{10}C_4$ D. None
2	n(n - 1) (n - 2) .... (n - r + 1) = _____	
3	The area between the x-axis and the curve $y = x^2 + 1$ from x = 1 to 2 is:	A. 15/6 B. 15/4 C. 10/4 D. 10/3
4	Question Image	A. π/ 2 B. π/ 3 C. π/ 4 D. π
5	Question Image	A. 5 B. 20 C. 9 D. 4
6	Second derivative of $y = x^9 + 10x^2 + 2x - 1$ at x = 0 is	A. 10 B. 20 C. 12 D. 1
7	If w+w2 is a root of (x+1)(x+2)(x+3)(x+4) = k, then	A. k=0 B. k=1 C. k=w D. k=w2
8	$\sqrt[3]{8.6}$ is approximately equal to	A. 2.488 B. 2.48 C. 2.0488 D. 2.05
9	Question Image	
10	w^{-12} = _____	A. 0 B. 1 C. w D. w^2
11	If cos (2 sin-1 x) = 1/9 , then what is the value of x?	A. 1/3 B. -2/3 C. 2/3 D. 2/3 , -2/3
12	The coefficient of the second term of $(a+b)^4$ is	A. 1 B. 9 C. 3 D. 5
13	If n is any positive integer then 3 + 6 + 9 + ...+ 3n = _____	

14	Question Image	
15	Every whole number is	A. A real number B. An irrational number C. A prime number D. A negative integer
16	If the pth, qth, and rth terms of an A.P. are in G.P:., then the common ratio of the G.P. is	
17	Domain of cosec$\theta$is	
18	The sum of the odd coefficients in the expansion of $(a + x)^4$is	A. 14 B. 12 C. 8 D. 4
19	Question Image	
20	A statement which is either true or false is called	A. Induction B. Deduction C. Propositicon D. Logic