

Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Sin x + Cos x = 1 x =	
2	The values of n such that, in the binomial expansion of $(1 - x)^n$, co-efficient of x^2 , co-efficient of x^2 is 3, are	A2, -3 B. 2, -3 C2, 3 D. None of these
3	The complement of set A relative to universal set U is the set	D. A - U
4	Which of the following integrals can be evaluated	
5	Question Image	
6	Question Image	
7	Question Image	A. An irrational number B. Whole number C. A positive integer D. A rational number
8	For which of the following ordered pairs (s, t) is $s + t > 2$ and $s - t < -3$?	A. (3, 2) B. (2, 3) C. (1, 8) D. (0, 3)
9	Question Image	A. Tan x B. X C x
10	If a statement $S(n)$ is true for $n=1$ and the truth of $S(n)$ for $n+K$ implies the truth of $S(n)$ for $S(n)=K+1$, then $S(n)$ true for all	A. All Real numbers B. All integers C. Positive integers D. All complex numbers
11	Question Image	
12	Question Image	
13	120 degrees are equal to how many radians?	
14	Write the first four terms of the arithmetic sequence if a_1 = 5 and other three consecutive terms are 23,26,29	A. 23, 26, 29, 32 B. 5, 8, 11, 14 C. 8, 11, 14, 17 D. None of these
15	Question Image	D. None of these
16	Question Image	A. <div>Both A,B have the same number of columns</div> B. <div>Both A and B do not have the same order</div> C. <div>Number of col A is same as number of rows of B</div> D. <div>Number of rows of A is same as number of col of B</div>
17	The gradient of the line joining (1, 4) and (-2, 5) is	A. 3/8 B2 2/3 C1/3 D. 2
18	Question Image	
19	Every prime number is also	A. Rational number B. even number C. Irrational number D. multiple of two numbers
20	A relation in which the equality is true only for some values of the unknown variable is called	A. An identity B. An equation C. A polynomial D. Inverse function

