

Mathematics General Science Test Hard Mode

C-	Questions	Anguara Chaiga
Sr		Answers Choice
1	Which is an explicit function	D. All
2	Question Image	D. None of these
3	Question Image	
4	The nth term of of A.P:1,5,9,15, is given by	A. 4n - 3 B. 4n + 1 C. 3n - 4 D. 4n + 3
5	Question Image	
6	Question Image	A. An irrational number B. Whole number C. A positive integer D. A rational number
7	If in isosceles right angled triangle, one side is a then hypotenuse is	C. a D. cannot be determined by given information
8	Which of the following integrals can be evaluated	
9	If A and B are matrices such that AB=BA=I then	A. <div>A and B are multiplicative inverse of each other</div> B. <div>A and B are additive inverses of each other</div> C A and B are singular matrices D. A and B are equal
10	If the 19th term of A.P is 8 and the 4th term is 20, then the first term is	A. 20.2 B. 25.5 C. 27.5 D. 37.5
11	What is the period of Cot x?	
12	Question Image	
13	The point (-5, 3) is the center of a circle and P(7, -2) lies on the circle. The radius of the circle is	A. 2 B. 13 C. 7 D. 8
14	The curves $y = x^2$, $y = x$ intersect at	A. (0,0) , (1, 1) B. (2, 4) D. (0,3), (-1, 1)
15	The set of complex numbers forms a group under the binary operation of	A. Addition B. Multiplication C. Division D. Subtraction
		A. 0
16	Question Image	B. 1 C1
17	The line joining (1, 3) to (a, b) has unit gradient then	D. 2 A. a-b = -2 B. a+b = 0 C. a-b + 5 D. 2a+3b=1
18	In the expansion of $(a + b)^{n}$ in every term the sum of the exponents of a and b is	A. n B. n + 1 C. 2n - 1 D. 2n + 1
19	In a school, there are 150 students. Out of these 80 students enrolled for mathematics class, 50 enrolled for English class, and 60 enrolled for Physics class. The student enrolled for English cannot attend any other class, but the students of mathematics and Physics can take two courses at a time. Find the number of students who have taken both physics and	A. 40 B. 30 C. 50 D. 20

	mathematics	
20	Question Image	A. A polynomial B. An inequality C. An identity D. A linear function