

Mathematics General Science Test Hard Mode

Qr.	Quartiens	Anguara Chaica
Sr	Questions	Answers Choice
1	Question Image	D. None
2	A standard deck of 52 cards is shuffled. What is the probability of choosing the queen of the diamonds	A. 1/5 B. 1/13 C. 5/52 D. 1/52
3	Question Image	D. None
4	A vector of magnitude zero is called	A. Position vector B. Null vector C. Free vector D. None of these
5	If you are looking a high point from the ground, then the angle formed is	A. Angle of elevation B. Angle of depression C. Right angle D. Horizon
6	Question Image	
7	If 2 Sin x Cos 2 x = Sin x then?	
8	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
9	Which of the following is the subset of all sets?	B. {1, 2,3} D. {0}
10	Question Image	A. Tan x B. X C x
11	The set of complex numbers forms a group under the binary operation of	A. Addition B. Multiplication C. Division D. Subtraction
12	Question Image	A. 1 B. 2 C. 3 D. 4
13	If the sum of the roots of the equation $ax^2-2x+2a=0$ is equal to their product, then the value of a is	A. 1 B. 2 C. 3 D. 4
14	If $0 < n < 1$, n is a rational number, the number of terms in the expansion of $(1 + X)^n$ are	A. n + 1 B. 2n C. Infinitely many D. 2n ²
15	Question Image	
16	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
17	If the angle of a triangle are in the ratio 2:3:7, the triangle is	A. Obtuse B. Acute C. Right angle D. Isosceles
18	Question Image	
19	Which of the following is the equation of a line with slope 0 and passing through the point (4, 3)	A. X = 4 B. X = -4 C. Y = 3 D. Y = -6