

Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	The number of ways in which we can courier 5 packets to 10 cities is	A. 2×5^{10} B. 5^{10} C. 10^5 D. 2^{10}
2	Question Image	A. 2 B. 1 C. 3 D. 4
3	Question Image	A. A polynomial B. An inequality C. An identity D. A linear function
4	If in isosceles right angled triangle, one side is a then hypotenuse is	C. a D. cannot be determined by given information
5	Question Image	A. $A < G < H$ B. $A > G > H$ C. $A < G > H$ D. $A > G < H$
6	If the diagonal of a square has coordinates (1, 2) and (5,6) the length of a side is	A. 3 B. 4 C. 1 D. 5
7	A fraction in which the degree of the numerator is less than the degree of the denominator is called	A. Polynomial B. Proper fraction C. Rational fraction D. Mixed fraction
8	Question Image	A. 30° B. 45° C. 60° D. 90°
9	Question Image	
10	Question Image	D. None of these
11	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
12	Unit vector in the positive direction of x-axis is	D. All
13	What is a proper rational fraction?	D. All are proper rational fractions
14	Question Image	
15	Question Image	
16	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
17	If $4 - x > 5$, then	A. $x > 1$ B. $x > -1$ C. $x < 1$ D. $x < -1$

18	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
19	The set $\{\{a,b\}\}$ is	A. Infinite set B. Singleton set C. Two points set D. None
20	If $A = (3, 8)$ and $B = (5, 6)$, then the distance between A and B is	B. 2 C. 1 D. 6
