

Mathematics General Science Test Hard Mode

Qr.	Quartiens	Anguage Chaica
Sr	Questions	Answers Choice
1	A die is thrown. What is the probability that there is a prime number on the top?	A. 1/2 B. 1/3 C. 1/6 D. 2/3
2	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)
3	Question Image	A. A &It G &It H B. A > G > H C. A &It G > H D. A > G &It H
4	Question Image	D. None
5	The number of diagonals of a six sided figure are	A. 9 B. 6 C. 12 D. 3
6	Question Image	
7	The length of rectangle is twice as much as its breadth. If the perimeter is 120 cm, the length of the rectangle is	A. 10 cm B. 20 cm C. 30 cm D. 40 cm
8	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
9	Question Image	A. Tan x B. X
9	Question inage	C x
10	If c is a constant number and if f is the function defined by the equation $f(x) = c$ for all values of x, then f is differentiable at every x and f is defined the equation $f(x) = \underline{\hspace{1cm}}$	A. f B. 1 C. C D. 0
11	What is a proper rational fraction?	D. All are proper rational fractions
12	A farmer possesses 100 hectometers of land and wants to grow corn and wheat. Cultivation of corn requires 3 hours per hectometer while cultivation of wheat requires 2 hours pert hectometer. Working hours cannot exceed 240. If he gets a profit of Rs. 20 per hectometer for corn and Rs. 20 per hectometer for wheat. The profit function for the farmer is	A. $P(x,y) = 20x + 15y$ B. $P(x,y) = 2x + 3y$ C. $P(x,y) = x + y$ D. $P(x,y) = 3x + 2y$
13	An angle of one radian is equivalent to	A. 90 b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">° B. 60 b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">° C. 67 b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">° D. 57 b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">° b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">° span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">16px;">16px;">18 [']
14	Question Image	
15	Question Image	
16	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

17	Question Image	A. 30 <b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size 16px;">° B. 45 <b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size 16px;">° C. 60 <b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size 16px;">° D. 90 <b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size 16px;">°
18	The mid point of the line joining (-1, -3) to (3, -5) is	A. (1, 1) B. (1, -1) C. (2, -8) D. (1, -4)
19	Question Image	
20	Question Image	