

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	For an A.P common difference d	A. Can be zero B. May or may not zero C. Cannot be zero D. None of these
2	Question Image	
3	Question Image	A. Less then 1 B. Equal to 1 C. Greater than 1 but less then 2 D. Greater then or equal to 2
4	Number of ways of writing the letters of WORD taken all at a time is	A. 24 B. 4 C. 12 D. 6
5	Question Image	D. none of these
6	Question Image	A. 0 B. 1
7	The roots of the equation $ax^2 + bx + c = 0$ are real and distinct if	A. $b^2 - 4ac < 0$ B. $b^2 - 4ac = 0$ C. $b^2 - 4ac > 0$ D. None of these
8	Question Image	A. 0 B. 1 C. 2
9	How many arrangements of the letters of the word MISSISSIPPI, taken all together can be made?	
10	The probability that the sum of dots appearing in two successive thrown of two dice, in every time 7 is	A. 1/5 B. 1/36 C. 1/7 D. 1/63
11	Question Image	
12	If $a > 0, b > 0, c > 0$, then the roots of the equation $ax^2 + bx + c = 0$ are	A. Real and negative B. Non-real with negative real parts C. Real and positive D. Nothing can be said
13	Let $P(x_1, y_1)$ and $Q(x_2, y_2)$ be two points in the co-ordinate plane. Let d = distance between P and Q	
14	A person standing on the bank of a river observes that the angle subtended by a tree of the opposite bank is 60° , when he retreats 40 m from the bank, he finds the angle to be 30° . The height of the tree and the breadth of the river are	
15	A function of the form $p(x)/Q(x)$ is called:	A. Rational function B. Logarithmic function C. Exponential function D. Hyperbolic function
16	The sum of infinite numbers of terms of an arithmetic series is	A. Finite B. Infinite C. May or may not finite D. None of these
17	The negation of given number is a	A. Binary operation B. Unary operation C. Relation D. None of these
18	$3x + 4 < 0$ is	A. inequality B. equation C. identity D. not inequality

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Question Image

- A. 3
- B. 6
- C. 0
- D. None of these

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A man of height 6 ft observes the top of a tower and the foot of the tower at angles of 45° and 30° of elevation and depression respectively. The height of the tower is