

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The sum of indicated terms of a sequence is called	A. Arithmetic series B. Series C. Harmonic series D. None of these
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. -1 C. 1 D. -2
3	The element range of sequence are called	A. Series B. progression C. Members D. Terms
4	The ortho center of triangle whose vertices are (0,0)(3,0)(0,4) is	A. (0,0) B. (1,1) C. (2,2) D. (3,3)
5	If the circumference of a circle is divided into 360 congruent parts, the angle subtended by one part at the centre of the circle is	A. 1° B. 1' C. 1" D. 1 rad
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 2^x B. $2^x \ln x$ C. $2^x \ln 2$
7	In the expansion of $(x+y)^n$ the coefficient of 5th and 12th terms are equal then $n=$	A. 12 B. $n=14$ C. 17 D. $n=15$
8	The first three terms in the expansion of $(1+x)^{-2}$ are _____	A. $1 - 2x + 3x^2$ B. $1 - 2x - 3x^2$ C. $1 + 2x + 3x^2$ D. $-2 - 2x + 3x^2$
9	Domain of $\tan x$ is _____	
10	A vector of magnitude zero is called	A. Position vector B. Null vector C. Free vector D. None of these
11	$i =$	
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
13	The parabola $y^2=4ax$ open up if	A. $a < 0$ B. $a \neq 0$ C. $a > 0$ D. All are incorrect
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Associative law of multiplication B. Commutative law of addition C. Commutative law of multiplication D. Associative law of addition
15	The range of the principle cot function is	
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $-a - b - c$ B. 1 C. 0 D. -1
17	The sum of co-efficient in $(1+x-3x^2)^{4163}$ is	A. 0 B. 1 C. -1 D. None
18	The radius of the circle $(x-1)^2 + (y+3)^2 = 61$ is	A. 8 B. 4 C. 64

Q. 17
D. None of these

19

Question Image

20

Which symbolic notation represent unary operation ?

- A. -
- B. \vee
- C. \wedge
- D. \Leftrightarrow