

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	In an A.P, a + (n-a)d is	A. 1st term B. General term C. Last term D. None of these
2	If in a set of real no a is multiplicative identity then	A. $a, a = a^{2/2}$ B. $a, a = 1$ C. $a, a = 0$ D. None of these
3	The coefficient of the third term of $(8a-b)^{1/3}$, after simplification is	A. -228 B. $1/288$ C. $1/220$ D. $-1/177$
4	Question Image	
5	The inclination of a line parallel to y-axis is	
6	For any positive integer n	A. $ABn = BnA \Leftrightarrow AB = BA$ B. $ABn = BnA \Leftrightarrow A, B$ are square matrices and $AB = BA$ C. $ABn = BnA \Leftrightarrow A + B$ D. $ABn = BnA \Leftrightarrow A$ and B are square matrices
7	$\tan 2\theta =$	
8	the largest degree of the terms in the polynomials is called	A. terms of the polynomial B. degree of a polynomial C. co-efficient D. monomial
9	The set Q	A. Forms a group under addition B. Does not form a group C. Contains no additive identity D. Contains no additive inverse
10	If x,y are two positive distinct numbers then	A. $A > G > H$ B. $A < G < H$ C. $A = G = H$ D. None of these
11	Name the property used in $4.1 + (-4.1) = 0$	A. Additive inverse B. Multiplication inverse C. Additive identity D. Multiplication identity
12	The coefficient of xn in the expansion of $(1-2x)^{-1}$ is	A. $(-1)^n 2^n$ B. 2^n C. $(-1)^{n+1} x^n$ D. $(n+1) 2^n$
13	Question Image	A. 0 B. 1 C. 1/2
14	Question Image	
15	The distance between the points (1, 2) and (2, 1) is	A. 3 B. 6
16	Question Image	
17	Question Image	
18	There are _____ types of rational fraction	A. Three B. Four C. Five D. Two
19	For three consecutive terms in A.P middle term is called	A. A.M B. nth term C. Geometric mean

C. Central term
D. None of these

20 The zero vector is

- A. $[0, 0, 0]$
B. $[1, 1, 1]$
C. $[0, 1, 0]$
D. $[0, 0, 1]$
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