

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	<input type="text" value="Question Image"/>	C. $\ln f(x) + c$ D. $f(x) - c$
2	Roots of the equation $9x^2 - 12x + 4 = 0$ are	A. Real and equal B. Real and distinct C. Complex D. None of these
3	The set which has no proper subset is	A. $\{0\}$ B. $\{\}$ C. $\{\emptyset\}$ D. None of these
4	$1^0 =$ _____	
5	$\forall a, b, c \in \mathbb{R} \quad ac = bc \Rightarrow a = b, c \neq 0$ is a	A. Symmetric property B. Cancellation property w.r.t multiplication C. Reflexive property D. Transitive property
6	<input type="text" value="Question Image"/>	
7	<input type="text" value="Question Image"/>	
8	A monoid $(G, *)$ is said to be group if	A. have identity element B. is commutative C. have inverse of each element D. None of these
9	<input type="text" value="Question Image"/>	
10	<input type="text" value="Question Image"/>	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction D. Golden rule of fractions
11	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
12	<input type="text" value="Question Image"/>	A. 3 B. 1 C. 2 D. 4
13	If the angle between two vectors with magnitude 2 and 15 is 30° then their scalar product is	B. 15 C. 30
14	If $\underline{u} = 2\hat{i} + p\hat{j} + 5\hat{k}$ and $\underline{v} = 3\hat{i} + \hat{j} + p\hat{k}$ are perpendicular, then $p =$	A. 1 B. 2 C. -1 D. -3
15	<input type="text" value="Question Image"/>	A. Right angled B. Obtuse angled C. Isosceles D. Equilateral
16	The distance of the point $(-2, -3)$ from x-axis is	A. 2 B. -3 C. 3 D. 5
17	<input type="text" value="Question Image"/>	
18	The number of permutations of n objects of which there are n_1 like of one kind, n_2 like of the second kind and n_3 like objects of third kind are	
19	<input type="text" value="Question Image"/>	B. 0 C. 1 D. undefined

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Question Image