

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Derivative of $\sin x$ w.r.t. $\sin x$ is	A. 0 B. 1 C. $\sin x$ D. $\cos x$
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $4x + 1$ B. $4x$ C. $2x^{>3</sup></sup>$ D. none of these
3	A sequence having no last term is called	A. arithmetic sequence B. Geometric sequence C. Finite sequence D. Infinite sequence
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $A = B$ B. $B = C$ C. $A = C$ D. None of these
5	$\tan(\cot^{-1}x)$ is equal to	A. $\cot(\tan^{-1}x)$ B. $\tan x$ C. $\sec x$ D. None of these
6	The law of cosines reduces to $a^2 + c^2 = b^2$ for	A. $\alpha = 90^\circ$ B. $\beta = 90^\circ$ C. $\gamma = 90^\circ$ D. $\alpha + \beta + \gamma = 180^\circ$
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. N B. r C. 2r D. π
8	$\{x x \in \mathbb{R} \wedge x \neq x\}$ is a	A. Infinite set B. Null set C. Finite set D. None of these
9	$a > b, b > c \Rightarrow a > c$ is a	A. Multiplicative property B. Additive property C. Trichotomy property D. Transitive property of inequality
10	What is the period of $6 \sin x$?	A. π B. $-\pi$ C. $\pi/2$ D. 2π
11	The solution set of trigonometric equation contains	A. one element B. two elements C. three elements D. Infinite elements
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
16	If $n \in \mathbb{N}$, then $n(n+3)$ is always	A. Multiple of 3 B. Multiple of 6 C. odd D. even

A. 2

- 17 If n is odd the expansion $(a + x)^n$ has middle terms
- B. 3
C. 4
D. 5
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- 18 The distance of the plane $2x - 3y + 6z + 14 = 0$ from the origin is
- A. 14
B. 2
C. -2
D. 11
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- 19 In one hour, the hour hand of a clock turns through
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- 20 