

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	$i =$	A. $\sqrt{1}$ B. $\sqrt{2}$ C. $\sqrt{-2}$ D. $\sqrt{-1}$
2	If for the matrix A, $A^5 = 1$, then $A^{-1} =$	A. A^2 B. A^3 C. A D. None of above
3	$\text{Cosec } 60^\circ =$ _____	A. $\frac{1}{\sqrt{3}}$ B. $\frac{2}{\sqrt{3}}$ C. $\frac{2}{3}$ D. $\frac{1}{2}$
4	For Cosine Rule of any triangle ABC, b^2 is equal to	A. $a^2 + c^2 - 2ac \cos B$ B. $a^2 + c^2 + 2ab \cos A$ C. $a^2 + c^2 - 2ac \cos B$ D. $a^2 + c^2 + 2ab \cos A$
5	$3x + 4 < 0$ is	A. inequality B. equation C. identity D. not inequality
6	$\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}, \dots$ is	A. a geometric series B. an arithmetic series C. finite sequence D. an infinite sequence
7	$\forall a, b, c \in \mathbb{R}$ and $c > 0$, then	A. $a > b \Rightarrow ac < bc$ B. $a > b \Rightarrow ac > bc$ C. $a < b \Rightarrow ac > bc$ D. None of these
8	$\tan 270^\circ =$ _____;	A. 0 B. 1 C. -1 D. Undefined
9	Which of the vectors have opposite direction?	
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. y/x B. x/y C. y/z D. None
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	

13	Question Image	
14	Question Image	<ul style="list-style-type: none"> A. $\frac{3}{4}$ B. r C. v D. None of these
15	The sum of co-efficient in $(1+x-3x^2)^{4163}$ is	<ul style="list-style-type: none"> A. 0 B. 1 C. -1 D. None
16	Question Image	
17	Roots of the equation $x^2 + 2x + 3 = 0$ are	<ul style="list-style-type: none"> A. Real and equal B. Real and distinct C. Complex D. None of these
18	Rational number is a number which can be written as a terminating decimal fraction or a	<ul style="list-style-type: none"> A. Non-terminating decimal fraction B. Non-recurring C. Recurring decimal fraction D. a, b and c
19	$45^\circ =$ _____	
20	$(n + 2) (n + 1) n =$ _____	