

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	8 . 7 . 6. 5 in factorial form is	
2	If a, β are the roots of the equation $x^2 + kx + 12 = 0$ such that $a - \beta = 1$, the value of k is	A. 0 B. ± 1 C. ± 5 D. ± 7
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 1 C. -1 D. none of these
4	$\sqrt[3]{8.6}$ is approximately equal to	A. 2.488 B. 2.48 C. 2.0488 D. 2.05
5	One degree is denoted by	A. 1° B. $1'$ C. $1''$ D. 1 rad
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Principle of equality of Fractions B. Rule for product of fraction C. Golden rule of fraction D. Rule of quotient of Fraction
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. A rational number B. A irrational number C. An even integer D. A factor of 36
8	The function $f(x) = x $ is a/an _____ function	A. Even B. Odd C. Both even as well as odd D. Neither even nor odd
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
11	If $\sin 6\theta + \sin 4\theta + \sin 2\theta$, then $\theta =$	
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. R B. $2R$ C. r D. $2r$
13	The multiplicative inverse of 1 is	A. 1 B. -1 C. 0 D. Does not exist
14	$\tan(\cot^{-1}x)$ is equal to	A. $\cot(\tan^{-1}x)$ B. $\tan x$ C. $\sec x$ D. None of these
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 0
17	In R the number of identity element w.r.t '+' is	A. One B. Two C. Three D. Four
18	The domain of an infinite sequence is a	A. Set of natural numbers B. R C. Subset of N D. None of the above

19 Question Image

20 Two tangents drawn from (2,3) to the circle $x^2+y^2=9$ are

- A. Real and distinct
- B. Imaginary
- C. Real and coincident
- D. None of these