

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. $5x^4 + c$ B. $\frac{1}{6}x^6 + c$ C. $5x^2 + c$ D. $\frac{1}{5}x^6 + c$
2	$f(x) = \log x + 3$ is a	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
3	If a_1 and r are the first term and the common ratio respectively then $(n + 1)$ th term of the G.P. is	A. 0 B. $a ₁ r^{n-1}$ C. $a ₁ r^{n+1}$ D. $a ₁ r^n$
4	Tan $360^\circ =$ _____	A. -1 B. 0 C. 1 D. Undefined
5	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. Right angled B. Obtuse angled C. Isosceles D. Equilateral
6	If $A = [a_{ij}]$ is $(m \times n)$ matrix, then transpose of A is of the order	A. $m \times m$ B. $m \times n$ C. $n \times n$ D. $n \times m$
7	Question Image <input style="width: 100%; height: 20px;" type="text"/>	
8	If n is not natural number, then the expansion $(1 + x)^n$ is valid for	
9	A bag contains 3 white, 4 black and 2 red balls. If 2 balls are drawn at random, then the probability that both the ball are white is	A. $\frac{1}{18}$ B. $\frac{1}{12}$ C. $\frac{1}{36}$ D. None of these
10	$G = \{e, a, b, c\}$ is an Abelian group with e as identity element The order of the other elements are	A. 2,2,2 B. 3,3,3 C. 2,2,4 D. 2,3,4
11	If in a set of real no a is additive identity then	A. $a+a = 2a$ B. $a+a = 1$ C. $a+a = 0$ D. None of these
12	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 5 B. 25 D. 3
13	E-radius corresponding to $\angle B$ is	
14	Question Image <input style="width: 100%; height: 20px;" type="text"/>	
15	$\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}, \dots$ is	A. a geometric sec B. an arithmetic series C. finite sequence D. an infinite sequece
16	If a polynomial $P(x)$ is divided by $x + a$, then the remiander is	A. $P(a)$ B. $P(-a)$ C. $P(0)$ D. None of these
17	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 0 B. -1 C. 1 D. -2
18	Which of the followind is a vector.	A. energy B. force

C. work
D. power

19 Cosec $60^\circ =$ _____

20 Question Image

A. -2
B. -1
C. 1
D. 2