

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. Reflexive property B. Symmetric property C. Transitive property D. Additive property
2	If $x^4 - 10x^2 - 2x + 4$ is divided by $x + 3$, then the remainder is	A. 1 B. 0 C. 4 D. None of these
3	Question Image	A. $2s^{>2}</sup>$ B. $2s^{>3}</sup>$ C. $s^{>3}</sup>$ D. $3s^{>3}</sup>$
4	The multiplicative inverse of $\frac{2}{3}$ is	A. $\frac{3}{2}$ B. $-\frac{2}{3}$ C. $-\frac{3}{2}$ D. 1
5	Question Image	A. A finite non-empty set B. Null set C. Both a and b D. None of these
6	Question Image	A. xy B. y C. 0 D. x
7	The nth term of an A.P is $(3n+5)$ Its 75th term is	A. 26 B. 7 C. 21 D. Cannot be determined
8	A box containing 10 mangoes out of which 4 are rotter. Two mangoes are taken together from the box. If one of them is found to be good, the probability that the other is also good is	A. $\frac{1}{3}$ B. $\frac{8}{15}$ C. $\frac{5}{13}$ D. $\frac{5}{9}$
9	Question Image	C. 0 D. 1
10	The quadratic formula is	
11	If distance of (a,b) from y-axis is 2 then	A. $a = 2$ B. $b = 2$ C. $a = b$ D. $a = 4$
12	The principal value of $\sin^{-1}(\frac{\sqrt{3}}{2})$ is	A. $-\frac{\pi}{3}$ B. $\frac{\pi}{3}$ C. $\frac{2\pi}{3}$ D. $\frac{\pi}{2}$
13	Each point of the feasible region is called	A. Solution B. feasible solution C. Both a & b D. None
14	The distance between the points A(-8,3) and B(2,-1) is	B. 116 D. none of these
15	The value of x, and y, when $(x + iy)^2 = 5 + 4i$	A. $X = 2, y = 1$ B. $X = -2, y = 1$ C. $X = 2, y = -1$ D. $X = 2, y = 2$
16	Question Image	
17	Question Image	A. $\frac{16}{7}$ B. $\frac{6}{17}$ C. $\frac{7}{16}$ D. None of these

18

3j . k x i

- A. 0
- B. 1
- C. 3
- D. 9

19

Question Image

20

Question Image

- A. A positive integer
- B. A negative integer
- C. A natural number
- D. An irrational number