

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule for fractions D. Rule for quotient of fractions
2	Question Image <input style="width: 100%; height: 20px;" type="text"/>	D. none of these
3	The point which divides the line segment joining the points (a, b) and (c, d) in the ratio 2 : 3 internally is	D. none of these
4	Sin 90° = _____	A. -1 B. 0 C. 1 D. Undefined
5	The distance of the point (-2 , -3) from y-axis is	A. 2 B. -2 C. 3 D. -3
6	120°= _____	
7	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 0 B. 1 C. -1 D. none of these
8	Range of cos θ is	
9	If d ₁ is the distance between (0,0) and (1,2) and d ₂ is the distance between (0,0) and (-1,-2) the	A. $d_1 < d_2$ B. $d_1 > d_2$ C. $d_1 = d_2$ D. none of these
10	Question Image <input style="width: 100%; height: 20px;" type="text"/>	
11	If the sum of co-efficient in the expansion of (a+b) ⁿ is 4096, then the greatest co-efficient in the expansion is	A. 1594 B. 792 C. 924 D. 2924
12	Question Image <input style="width: 100%; height: 20px;" type="text"/>	
13	Fundamental law is	
14	If Cos $\theta=0$, then $\theta=$ _____	A. $n\pi$ B. $(2n + 1)\pi$ C. $(2n - 1)\pi$ D. $(4n + 1)\pi$
15	The set of ordered pairs (x,v) such that ax+ bv < c. and (x,v) such that ax + bv>0. are called	A. Half planes B. Boundary C. ... D. ...

C. Linear inequalities
D. Feasible regions

16 The value of n , when ${}^n P_2 = 20$ is

- A. 3
- B. 4
- C. 6
- D. 5

17 $\sqrt{-1} b =$

- A. b
- B. 2
- C. $2b$
- D. None of these

18 $i =$

- A. $\sqrt{1}$
- B. $\sqrt{2}$
- C. $\sqrt{-2}$
- D. $\sqrt{-1}$

19

- D. none of these

20 $\sin^{-1} x =$

- A. $\sin(\pi/2 - x)$
- B. $\sin^{-1}(\pi/2 - x)$
- C. $\pi/2 - \cos^{-1} x$
- D. $\pi/2 + \cos^{-1} x$