

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	<input type="text" value="Question Image"/>	
2	<input type="text" value="Question Image"/>	
3	The second degree equation $2x^2 - xy + 5x - 2y + 2 = 0$ represents	A. Circle B. Hyperbola C. Ellipse D. Pair of straight lines
4	The set of rational number is represented by	A. W B. R C. Q D. \mathbb{Q}
5	$\cos^2 x + \sin^2 x$	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
6	For a positive integer n	A. $n! = n(n + 1)$ B. $n! = n(n+1)!$ C. $n! = n(n - 1)$ D. $n! = n(n - 1)!$
7	<input type="text" value="Question Image"/>	A. Reflexive property B. Symmetric property C. Cancellations property w.r.t. addition D. Transitive property
8	The eccentricity of the parabola $y^2 = -8x$ is	A. -2 B. 2 C. -1 D. 1
9	In R the number of identity element w.r.t '+' is	A. One B. Two C. Three D. Four
10	The multiplicative inverse of $\frac{2}{3}$ is	A. $\frac{3}{2}$ B. $-\frac{2}{3}$ C. $-\frac{3}{2}$ D. 1
11	If three unequal numbers p, q, r are in H.P. and their squares are in A.P., then the ration p : q : r is	
12	The distance between the points (2,3) and (3,2) is	A. 5 C. 2 D. 10
13	A Series which does not coverage to a Unique sum is called	A. Harmonic Series B. Oscillatroy Series C. Arithmetc Series D. None of these
14	<input type="text" value="Question Image"/>	A. A rational number B. An irrational number C. An odd number D. A prime number
15	<input type="text" value="Question Image"/>	A. $\frac{\pi}{3}$ B. $\frac{\pi}{4}$ C. $\frac{\pi}{6}$ D. 0
16	$22.5^\circ =$ _____	
17	The roots of $ax^2+bx+c=0$ are	A. Rational $\Leftrightarrow b^2 - 4ac \geq 0$ B. Irrational $\Leftrightarrow b^2 - 4ac < 0$

17. The roots of the equation are

- C. Real $\Leftrightarrow b^2 - 4ac \neq 0$
- D. Rational $\Leftrightarrow b^2 - 4ac = 0$

18. If n is any positive integer then $n! > n^2$ for

19. $i^{101} =$

- A. i
- B. i^2
- C. $-i$
- D. -1

20. 

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