

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. 1 B. 14 1 C. 0 D. None of these
2	Question Image	
3	If the cone is cut by a plane perpendicular to the axis of the conec, then the section is a:	A. Circle B. ellipse C. hyperbola D. parabola
4	The domain of the principal tan function is	
5	If A is a set then any subset R of $A \times A$ is called	A. relation on A B. relation on B C. relation from A to B D. relation from B to A
6	Question Image	
7	The symbol of irrational is	A. W B. N C. Q D. \mathbb{Q}
8	Question Image	A. A B. A' C. U D. None of these
9	Question Image	
10	The point of concurrency of the angle bisectors of a triangle is called	A. incentre B. circumcentre C. e-centre D. centroid
11	The equation $x^2 + y^2 = 0$ represents	A. A circle B. A degenerate circle C. An empty set D. A st. line
12	The quadratic equation $8 \sec^2 \theta - 6 \sec \theta + 1 = 0$ has	A. Infinitely many roots B. Exactly two roots C. Exactly four roots D. No roots
13	What is the conjugate of $-7 - 2i$?	A. $-7 + 2i$ B. $7 + 2i$ C. $7 - 2i$ D. None of these
14	Question Image	A. Improper rational fraction B. Rational fraction C. Proper rational fraction D. None of above
15	$\cos (180^\circ - \theta) =$	A. $\sin \theta$ B. $-\cos \theta$ C. $-\sin \theta$ D. None of above
16	The angle of depression of a point situated at a distance of 70 meters from the base of a tower is 45° . The height of the tower is	A. 70 m B. 85 m C. 35 m D. None of these
17	Question Image	
18	$A - B =$ _____	

19

Question Image

20

Root of the equation $3^{x+1} + 3^{1-x} = 10$ is

- A. 2
- B. 1
- C. 0
- D. -1