

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The tangents drawn from the point P to a circle are imaginary if	A. P is on the circle B. P is inside the circle C. P is outside the circle D. none of these
2	Question Image	A. 1/3 B. 1 C. 3 D. None of these
3	Let A,B, and C be any sets such that $A \cup B = A \cup C$ and $A \cap B = A \cap C$ then	A. $A \neq C$ B. $B = C$ C. $A = B$ D. $A \neq B$
4	Question Image	
5	Question Image	A. Right angled B. Obtuse angled C. Isosceles D. Equilateral
6	In the function $f: A \rightarrow B$ , the elements of A are called	A. Images B. Pre-images C. ranges D. Parameters
7	The element range of sequence are called	A. Series B. progression C. Members D. Terms
8	Question Image	
9	The term involving $x^4$ the expansion $(3-2x)^7$ is	A. $217x^4$ B. $15120x^4$ C. $313x^4$ D. $-25x^4$
10	Question Image	
11	The law of sines can be used to solve	A. Right angle triangle B. Isosceles triangle C. oblique triangle D. hexagon
12	$f(x) = ax + b$ will be an identity function if	A. $a = 1, b = 1$ B. $a = 1, b = 0$
13	If eccentricity of ellipse becomes zero then it takes the form of	A. A parabola B. A circle C. A straight line D. None of these
14	Question Image	A. 15 B. $15i$ C. $-15i$ D. -15
15	Question Image	
16	Number of lines passing through three non-collinear points is	A. 2 B. 3 C. 1 D. 0 E. $\infty$
17	The triangle that does not have a right angle is called.	A. Isosceles triangle B. right angle triangle C. equivalent triangle D. oblique triangle
18	Question Image	

19

Question Image

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(1, 2) is in the solution of the inequality

- A.  $2x + y \geq 8$
- B.  $2x + y \leq 6$
- C.  $2x - y \geq 1$
- D.  $2x + 3y \leq 2$