

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The graph of a linear function is	A. a circle B. triangle C. a straight line D. none of these
2	$A \cup (A \cap B) =$ -----	A. B B. A C. A $\cup$ B D. None of these
3	The two different parts of the hyperbola are called its	A. Vertices B. Directrices C. Nappes D. Branches
4	Latus rectum = 4 x _____	A. focal distance of the vertex B. Chord C. Focus D. 1/2
5	Question Image	
6	If $Z = (1, 2)$ , then $Z^{-1} = ?$	A. (0.2, 0.4) B. (-0.2, 0.4) C. (0.2, -0.4) D. (-0.2, -0.4)
7	If there is one-one correspondence between A and B, then we write.	A. $A = B$ B. $A \subseteq B$ C. $A \supseteq B$ D. $A \sim B$
8	Question Image	
9	The physical quantity which possesses both magnitude and direction is called a	A. scalar B. vector C. constant D. none of these
10	The inclination of a line parallel to x-axis is	
11	$\sin(\pi + \theta) =$ _____;	A. $\sin \theta$ B. $\cos \theta$ C. $-\sin \theta$ D. $-\cos \theta$
12	Question Image	
13	The next term of the sequence 1, 2, 4, 7, 11, ..... is.	A. 15 B. 16 C. 17 D. 18
14	$\sin[\cot^{-1}\{\cos(\tan^{-1}x)\}] =$	
15	Six boys and 3 girls are to be seated at random, in a row, for a photograph. The probability that no two girls will sit together is	A. 1/12 B. 1/6 C. 5/12 D. 7/12
16	1 radian = _____	A. 180° B. 90° C. 57.296° D. 60°
17	Question Image	
18	Question Image	A. -1 B. 0 C. 1 D. undefined
		A. 0.00175 rad

19 1 degree = \_\_\_\_\_

- B. 0.175 rad
- C. 0.0175 rad
- D. 1.75 rad

20