

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	$\sqrt{-1} b =$	A. b B. 2 C. 2b D. None of these
2	If $f(x) = \cos x$ then $f(0)$ is	A. 0 B. 1 C. 1/2
3	If $\underline{u} = [3, -4]$ , then modulus of $\underline{u}$ is:	A. 5 B. 5i C. -5 D. $\sqrt{5}$
4	Question Image	A. Rational B. Irrational C. Even D. Odd
5	A circle passing through the vertices of any triangle is called	A. Circumcircle B. Incircle C. Escribed circle D. Unit circle
6	System of linear equations is inconsistent if	A. System has no solution B. System has one solution C. System has two solution D. None of above
7	Question Image	A. $x^{a-1}$ B. $a^x$ C. x in a D. $a^x \ln a$
8	The 26th term of the A.P -2, -4, 10, ..... is	A. 136 B. -136 C. 148 D. -148
9	Question Image	
10	Question Image	
11	The set $\{\{a, b\}\}$ is	A. Infinite set B. Singleton set C. Two points set D. None
12	Question Image	A. 9 B. -9 C. 0 D. 1
13	The set Q	A. Forms a group under addition B. Does not form a group C. Contains no additive identity D. Contains no additive inverse
14	The distance of the points (3, 4, 5) from y-axis is	
15	The middle term of the expansion $(1 + 2x)^6$ is _____	A. 1st term B. 4th term C. 2nd term D. 5th term
16	The sample space for tossing a coin once is	A. {T, T} B. {H, H} C. {H, T} D. None of these
17	Question Image	
18	$\cot \theta = \sin 2\theta$ if $\theta =$	

19

Question Image

20

Distance between A(3, 8), B(5, 6) is