

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Every recurring decimal represents	A. A natural number B. A rational number C. An irrational number D. A whole number
3	Through how many radians does the minute hand of a clock turn in one hour	
4	Question Image	A. A positive integer B. A negative integer C. A natural number D. An irrational number
5	Let $P(x_1, y_1)$ and $Q(x_2, y_2)$ be two points in the co-ordinate plane. Let $d$ = distance between P and Q	
6	Question Image	A. $y/x$ B. $x/y$ C. $y/z$ D. None
7	The position vector of the point $P(a, b, c)$ is	
8	If $\Delta ABC$ is right, law of cosine reduce to	A. Law of sine B. Law of tangent C. Phthogorous theorem D. Hero's formula
9	Question Image	A. A B. B C. U D. None of these
10	$(2 + w)(2 + w^2) = \underline{\hspace{2cm}}$	A. 1 B. 2 C. 3 D. 0
11	If $\underline{u} = [3, -4]$ , then modulus of $\underline{u}$ is:	A. 5 B. 5i C. -5 D. $\sqrt{5}$
12	Question Image	
13	In an A.P, $a + (n-a)d$ is	A. 1st term B. General term C. Last term D. None of these
14	Given two numbers $a$ and $b$ . Let $A$ denote the single A.M. between these and $S$ denote the sum of $n$ A.M.'s between them. Then $S/A$ depends upon	A. $n, a, b$ B. $n, a$ C. $n, b$ D. $n$
15	Question Image	
16	Question Image	A. $\sinh x$ B. $\cosh x$ C. $\tanh x$ D. $\coth x$
17	Question Image	A. 8 B. $1/56$ C. 56 D. None of these
18	Question Image	
19	The equation of the chord of the circle $x^2 + y^2 - 4x = 0$ whose mid-point is $(1, 0)$ is	A. $y = 2$ B. $y = 1$ C. $x = 2$

D.  $x = 1$

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If  $a, b, c$  are in A.P., then  $3^a, 3^b, 3^c$  are in

A. A.P.

B. G.P.

C. H.P.

D. None of these