

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	0 is a symbol of	A. singleton set B. Empty set C. Equivalent set D. Infinite set
2	Question Image	
3	Question Image	
4	A quadratic equation has two	A. roots B. degree C. variables D. constants
5	Question Image	
6	If $y=f(x)$ is a function then $x$ is called	A. dependent variable B. independent variable C. constant D. none of these
7	Question Image	A. $A^{-1}$ B. $A^{-t}$ C. $-A$ D. $A$
8	The angle between the vectors $\underline{u} = 2\hat{i} - \hat{j} + \hat{k}$ and $\underline{v} = -\hat{j} + \hat{j}$ is:	A. $3\pi/2$ B. $2\pi/3$ C. $5\pi/6$ D. $\pi/3$
9	If a statement $S(n)$ is true for $n = 1$ and the truth of $S(n)$ for $n = k$ implies the truth of $S(n)$ for $n = k + 1$ , then $S(n)$ is true for all	A. Real numbers $n$ B. Integers $n$ C. Positive integers $n$ D. None of these
10	Question Image	A. 0 B. 1 D. none of these
11	202.04 is an example of	A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of above
12	The multiplicative inverse of $(a,b)$ is	
13	Question Image	D. none of these
14	Question Image	
15	Question Image	D. all are correct
16	The domain of $f(x) = \log x$ is	A. $[0, \infty)$ B. $(0, \infty)$ C. $[0, \infty]$ D. $[-\infty, \infty)$

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17 Matrices are represented by

- A. Natural numbers
- B. Real numbers
- C. Small letters
- D. Capital letters

18 Question Image

19 Question Image

20 Question Image