

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A circle is a limiting case of an ellipse whose eccentricity	A. Tends to a B. Tends to b C. Tends to 0 D. Tends to a + b
2	Question Image	A. 1, 1/2, 0 B. 1, 2, 1 C. 1, 2, 3 D. 1, 2, 0
3	The point lying on the terminal rat of -270° is	A. (1,0) B. (0,-1) C. (0,1) D. (-1,0)
4	A vertical pole is 8m high and the length of its shadow is 6m. The angle of elevation of the sun of the moment is	A. 57° B. 48° C. 27° D. 53°
5	Question Image	A. A B. -A C. $A \sin t$ D. $A \cos t$
6	What is the probability of being born on Wednesday?	A. 1/7 B. 1/2 C. 1/3 D. 1/8
7	Question Image	
8	If $a = 2i + 2j$, $b = 3i - j$ and $c = 4i + 5j$, the $3b - a - 2c =$	A. $-i - 15j$ B. $i - 15j$ C. $i - 3j$ D. None of these
9	Question Image	
10	Question Image	
11	$4/\sqrt{49}$ is a	A. Irrational Number B. Prime Number C. Rational number D. Whole number
12	The number of subset of $\{0\}$ is	A. 1 B. 2 C. 3 D. None
13	If A is a skew-symmetric matrix of order n and P, any square matrix of order n.prove that $P'AP$ is	A. Skew-symmetric B. Symmetric C. Null D. Diagonal
14	Question Image	A. 4 B. 3 C. 2 D. 1
15	$(2.02)^4$ s equal to	A. 16 B. 16.6496 C. 17 D. 18
16	Question Image	
17	Question Image	A. Biconditional B. Implication C. Antecedent D. Hypothesis
18	Question Image	

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Question Image

- A. $\frac{1}{8}$
- B. $\frac{1}{2}$
- C. $\frac{1}{4}$
- D. $\frac{1}{6}$

20

Question Image

- A. Null matrix
- B. Triangular matrix
- C. Unit matrix
- D. Rectangular matrix