

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $A^{2^2} - 5A + 7I = 1$ B. $2A^{2^2} - 3A + 7I = 0$ C. $A^{2^2} - 5A + I = 0$ D. $A^{2^2} - 5A + 7I = 0$
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. -1 C. 5 D. 2
3	The key for opening a door is in a bunch of 10 keys. A man attempts to open the door by trying the keys at random discarding the wrong key. The probability that the door is opened in the 5th trial is	A. $1/10$ B. $2/10$ C. $3/10$ D. $4/10$
4	$1/3$ is a decimal	A. Recurring B. Terminating C. Non-terminating D. None of the above
5	Decimal part of irrational number is	A. Terminating B. Repeating only C. Neither repeating nor terminating D. Repeating and terminating
6	Which of the following represents a vector	D. (x, y)
7	Period of $2 \cos x$ is _____	
8	A vector with magnitude one is called	A. constant vector B. unit vector C. zero vector D. null vector
9	The number of permutation that can be formed from the letters of the word OBJECT is	A. 700 B. 600 C. 720 D. 620
10	The position vector of a point (x, y) in xy plane is	D. none of these
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $3/4$ B. r C. v D. None of these
12	$w^{-12} =$ _____	A. 0 B. 1 C. w D. w^{2^2}
13	If n is any positive integer then $3 + 6 + 9 + \dots + 3n =$ _____	
14	The negation of given number is a	A. Binary operation B. Unary operation C. Relation D. None of these
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 1 D. -1
17	If the roots of $ax^2 + b = 0$ are real and distinct then	A. $ab > 0$ B. $a = 0$ C. $ab < 0$ D. $a > 0, b > 0$
18	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
19	Apollonius was a:	A. Rocket B. Muslims scientist C. Greek mathematicians

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Question Image

- A. a
- B. 2a
- C. 3a
- D. 4a