

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	There is no integer n for which 3^n is	A. Odd B. even C. Natural D. Prime
2	$45^\circ =$ _____	
3	Rank of matrix $[1\ 3\ 5\ 0]$ is	A. 1 B. 3 C. 2 D. 4
4	Which of the following is factor of $x^{11}+a^{11}$, where n is an odd integer	A. $x-a$ B. $x+a$ C. $2x-a$ D. $2x+a$
5	If n is positive integers, then $2^n > 2n+1$, only when	A. $n \leq 3$ B. $n \geq 3$ C. $n \leq 2$ D. $n \leq 1$
6	The perpendicular bisector of any chord of a circle	A. Passes through the centre of the circle B. Does not pass through the centre of the circle C. May or may not pass through the centre of the circle D. None of these
7	A die is thrown 100 times. If getting an odd number is considered a success, the variance of the number of successes is	A. 50 B. 25 C. 10 D. 100
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. A positive integer B. A negative integer C. A natural number D. An irrational number
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
10	The transpose of a zero matrix is a _____	A. Column matrix B. Zero matrix C. Row matrix D. Scalar matrix
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Diagonal matrix B. Scalar matrix C. Triangular matrix D. Identity matrix
12	If $A \cap B = B$, then $n(A \cap B)$ is equal to	A. $n(a)$ B. $n(a)+n(c)$ C. $n(c)$ D. None of these
13	The solution of the quadratic equation $x^2 - 7x + 10 = 0$, is	A. 2 B. 5 C. 2, 5 D. 7
14	The solution set of the equation $ 3x + 2 = 5$ is	
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
17	Two cards are drawn at random from a well shuffled pack of cards. The probability that at least one of them is a face card is	A. $3 / 17$ B. $5 / 17$ C. $7 / 17$ D. $9 / 17$
		A. circular system

- 18 The system of measurement in which the angle is measured in degrees, minutes and seconds is called the
- B. CGS system
C. sexagesimal system
D. none of these
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- 19 $x = 1$ is in the solution of the inequality
- A. $x + 1 > 0$
B. $x - 2 > 0$
C. $3x - 1 < 0$
D. $x + 2 < 0$
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- 20 The set of all positive even integers is
- A. Not a group
B. A group w.r.t. subtraction
C. A group w.r.t. division
D. A group w.r.t. multiplication
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