

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	For all positive integral value of $n, 3^n < n!$, when	A. $n > 6$ B. $n \leq 6$ C. $n \leq 11$ D. $n > 11$
2	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 5 B. 25 D. 3
3	$w^4 = ______$	A. 0 B. 1 C. w D. w^{2^2}
4	The angles with same initial and terminal sides are called	A. Quadrantal angles B. Coterminal angles C. Allied angles D. None
5	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. $2x + 3$ B. $x^{2^2} + 3 + c$
6	For non-trivial solution $ A $ is	A. $A = 0$ B. $A^{t \times t} = 0$ C. $ A = 0$ D. None of these
7	Total number of subsets that can be formed out of the set $\{a, b, c\}$ is	A. 1 B. 4 C. 8 D. 12
8	Which of the following is factor of $p(x) = 2x^3 + 3x^2 + 3x + 2$?	A. $x+1$ B. $2x+1$ C. $3x+1$ D. $2x-1$
9	π is the ratio of	A. Area of a circle to its diameter B. Area of a circle to its radius C. Circumference of a circle to its diameter D. Circumference of circle to its radius
10	Question Image <input style="width: 100%; height: 20px;" type="text"/>	D. none of these
11	If ΔABC is right, law of cosine reduce to	A. Law of sine B. Law of tangent C. Phthogorous theorem D. Hero's formula
12	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. $1/2$ B. $1/3$ C. $1/4$ D. None of these
13	A matrix in which the number of rows is not equal to the number of columns is called a	A. Diagonal matrix B. Rectangular matrix C. Square matrix D. Scalar matrix
14	Question Image <input style="width: 100%; height: 20px;" type="text"/>	
15	The fifth term of the sequence $a_n = 2n + 3$ is _____	A. 13 B. -13 C. 8 D. 3
16	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 2 C. -2 D. none of these
17	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 6, -12, -18 B. -6, 4, 9

C. -6, -4, -9
D. -6, 12, 18

18 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. $\frac{3}{17}$
B. $\frac{5}{17}$
C. $\frac{7}{17}$
D. $\frac{9}{17}$

19 The distance between two points $P(x_1, y_1)$ and $Q(x_2, y_2)$ is

20 A circle drawn inside a triangle and touching its sides is called _____;

A. Circumcircle
B. Incircle
C. Escribed circle
D. unit circle