

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	If $x^2 + px + 1$ is a factor of $ax^3 + bx + c$, then	A. $a^2 + c^2 = -ab$ B. $a^2 - c^2 = -ab$ C. $a^2 - c^2 = ab$ D. None of these
3	Question Image	A. $2x$ B. $3x^2$ C. 1 D. 0
4	The domain of an infinite sequence is a	A. Set of natural numbers B. R C. Subset of N D. None of the above
5	$1^0 =$ _____	A. 1.5 rad B. 0.5 rad C. 0.175 rad D. None of these
6	If a set S contains n elements then P (S) has number of elements	A. 2^n B. 2^{n^2} C. 2.n D. n^2
7	$i^9 =$	A. i^2 B. -1 C. 1 D. i
8	The number of 5-digit number that can be formed from the digits 1,2,4,6,8, when 2 and 8 are never together is	A. 72 B. 48 C. 144 D. 20
9	$w^{11} =$ _____	A. 0 B. 1 C. w D. w^2
10	Question Image	
11	How many arrangements of the letters of the word PAKISTAN cab be made	
12	Question Image	
13	If a force $F = 2i + j + 3k$ acts at point (1,-2,2) of a body then the moment of F about a pint lying on the line of action of the force is	A. 5 B. Equal to the moment of the force about origin C. 0 D. Cannot be found
14	Question Image	
15	$45^\circ =$ _____	
16	Question Image	A. $R/[0,4]$ B. $R/(0,4)$ C. $(0,4)$ D. $[0,4]$
17	Co-ordinate of a point on the parabola $y^2 = 8x$ whose focal distance is 4 are:	A. (2 , 4) B. (-2 , -4) C. (-2, 4) D. (2,-4)
18	If A is a subset of B and B contains at least one element which is not an element of A, then A is said to be	A. Improper subset of B B. Super set of B C. Proper subset of B

D. None of these

19 Inequalities have _____ symbol

- A. 2
- B. 3
- C. 4
- D. 1

20 For all points (x,y) in fourth quadrant

- A. $x > 0, y < 0$
- B. $x > 0, y > 0$
- C. $x < 0, y < 0$
- D. $x < 0, y > 0$