

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If $\underline{u} = [3, -4]$, then modulus of \underline{u} is:	A. 5 B. 5i C. -5 D. $\sqrt{5}$
2	The ortho center of triangle whose vertices are (0,0)(3,0)(0,4) is	A. (0,0) B. (1,1) C. (2,2) D. (3,3)
3	$A = B$ iff	A. All elements of A also the elements of B B. A and B should be singleton C. A and B have the same number of elements D. If both have the same element
4	Question Image	
5	If the matrices A and B have the order 1×10 and 10×1 then order of AB is	A. 1×1 B. 1×10 C. 10×10 D. 10×1
6	Question Image	
7	For a positive integer n	A. $n! = n(n+1)$ B. $n! = n(n+1)!$ C. $n! = n(n-1)$ D. $n! = n(n-1)!$
8	Question Image	
9	The maximum value of $\sin\theta\cos\theta$ is	A. 1 B. $1/2$ C. $1/4$ D. $1/6$
10	A Series which does not coverage to a Unique sum is called	A. Harmonic Series B. Oscillatroy Series C. Arithmetic Series D. None of these
11	If $E = \{ \}$, then $P(E)$	A. \emptyset B. $\{ \}$ C. $\{(2),(4),(6),...\}$ D. (∞)
12	The domain and range of a trigonometric function can be allocate by their	A. graph B. Continuity C. Discontinuity D. Periods
13	Question Image	A. $16 / 7$ B. $6 / 17$ C. $7 / 16$ D. None of these
14	Period of cosec x is _____	
15	The angles of elevation of the top of a tower at the top and the foot of a pole of height 10 m are 30° and 60° respectively. The height of the tower is	A. 10 m B. 15 m C. 20 m D. None of these
16	$(a,0) \times (c, 0) =$	A. (0,ac) B. (ac, 0) C. (0,0) D. (a, c)
17	Question Image	
18	Number of permutations of n distinct objects taken $r (< n - 3)$ at a time which exclude $3 (< n)$	A. $3! P(n, r - 3)$ B. $P(n, 3) P(n, r - 3)$

18 particular objects is

- C. $P(r, r)P(n, r - 3)$
- D. $P(n - 3, r)$

19 Question Image

20 5th term of a G.P. is 2, then the product of first 9 terms is

- A. 256
- B. 128
- C. 512
- D. None of these