Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If A is a skew-symmetric matrix of order n and P, any square matrix of order n, prove that P' AP is	A. Skew-symmetric B. Symmetric C. Null D. Diagonal
2	A line segment whose end points lie on a circle is called	A. the secant of the circle B. the arc of the circle C. the chord of the circle D. the circumference of the circle
3	Which of the vectors have opposite direction?	
4	Question Image	
5	Question Image	
6	Let the sequence 1, 2, 2, 4, 4, 4, 4, 8, 8, 8, 8, 8, 8, 8, 8, ... where n consecutive terms have the value n, then 1025th term is	A. 2⁹ B. 2¹⁰ C. 2¹¹ D. 2⁸
7	Question Image	
8	Arithmetic mean between x - 3 and x + 5 is	A. x + 1 B. x + 2 C. x + 3 D. x + 4
9	1^0= _____	A. 360' B. 60" C. 60' D. 3600'
10	Question Image	
11	8 . 7 . 6. 5 in factorial form is	
12	Question Image	A. x =0, y =4 B. x = -1, y = 2 C. x = 2, y = 3 D. x = 3, y = 4
13	Question Image	
14	The identity element with respect to subtraction is	A. 0 B. -1 C. 0 and 1 D. None of thes
15	The set of complex numbers forms	A. Commutative group w.r.t addition B. Commutative group w.r.t multiplication C. Commutative group w.r.t division D. Non commutative group w.r.t addition
16	{1, 2, 3, 4,.....} is set of _____	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers
17	The expansion of $(1 + 2x)^{-2}$is valed if	A. | x | < 1/2 B. | x | < 1 C. | x | < 2 D. | x | < 3
18	Question Image	A. 1 B. 2 C. -1 D. 0
19	If p and q are two statements then their conjunction is denoted by	
		A. a parabola

20	An ellipse slides between two lines at right angles to one another. The locus of its centre is :	A. a parabola B. an ellipse C. a circle D. a hyperbola