Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	(a,0) x (c,0) =	A. (0,ac) B. (ac,0) C. (0,0) D. (a,c)
2	Question Image	
3	Digit in the unit place of the number $183! + 3^{183}$	A. 7 B. 6 C. 3 D. 0
4	The line through the centre and perpendicular to the transverse axis is called the	A. Major axis B. Minor axis C. Focal axis D. Conjugate axis
5	Which of the following does not represent absolute value of a vector	A. magnitude B. length C. norm D. number
6	The number of the diagonals of a 6 sided figure is	A. 15 B. 21 C. 9 D. 6
7	If A∩B=B, then n(A∩B) is equal to	A. n(a) B. n(a)+n(c) C. n(c) D. None of these
8	Question Image	
9	If a plane passes through the vertex of a cone then the intersection is	A. an ellipse B. a hyperbola C. a point circle D. a parabola
10	Question Image	
11	If a,b c are sides of a triangle taken in order then a x b =	A. b x c B. b x a C. cxa D. Both a & b
12	The coordinates of the point that divides the join of A(-6,3) and B(5, -2) in the ratio 2:3 externally are	
13	If Z_1= 1 + i, Z_2= 2+3i, then $|Z_1 - Z_2|$ = ?	
14	If |a x b|2 + (a,b)2 = _____	A. |a|2 + |b|2 B. |a|2- |b|2 C. |a|2|b|2 D. None
15	Question Image	
16	2π is the period of	A. sin□ B. tan□ C. cot□ D. all circular function
17	Question Image	A. A B. -A C. A^t D. A⁻
18	Question Image	
19	G = {e, a, b, c} is an Abelian group with e as identity element. The order of the other elements are	A. 2, 2, 2 B. 3, 3, 3 C. 2, 2, 4

D. 2, 3, 4

20   Question Image