

Mathematics FA Part 1 Online Test

Sr	Questions	Answers Choice
1	Question Image	D. None
2	The additive inverse of a matrix A is:	A. A B. A^{-1} C. $-A$ D. A^2
3	Question Image	A. 5 B. -5 C. -4 D. 4
4	Question Image	A. 1 B. -1 C. -6 D. 6
5	Question Image	D. diagonal matrix
6	If A is a matrix of order $m \times n$, then the number of elements in each row of A is:	A. m B. n C. $m + n$ D. $m - n$
7	$[0]$ is a:	
8	Question Image	
9	Question Image	
10	Question Image	
11	A matrix of order $m \times 1$ is called:	A. row matrix B. column matrix C. identity matrix D. scalar matrix
12	Question Image	A. 3×3 B. 3×2 C. 2×1 D. 2×3
13	The order of a matrix is shown by:	B. number of columns + number of rows C. number of rows \times number of columns D. number of columns - number of rows
14	Question Image	A. 2 B. 4 C. 6 D. 8
15	If $(x - 2, 2) = (3, 2)$, then:	A. $x = 5$ B. $x = 2$ C. $x = -5$ D. $x = 3$
16	The identity element in a group is:	A. unique B. infinite C. both a and b D. not possible
17	Inverse of an element in a group is:	A. infinite B. finite C. unique D. not possible
18	A groupoid (S) is called _____ if it is associative in S:	A. group B. abelian-group C. semi-group D. associative-group

19	The ordered pairs (4, 5) and (5, 4) are:	A. same B. different C. both a and b D. N
20	The disjunction of two statements p and q is denoted by:	