CLASS 12

MATRICES

INTRODUCTION OF MATRIX

EXERCISE

Q.1	If A is a matrix of order 3×4 , then each row of A has-	
	(A) 3 elements	(B) 4 elements
	(C) 12 elements	(D) 7 elements
Q.2	What is the order of a matrix?	
	(A)number of rows X number of columns	
	(B) number of columns X number of rows	
	(C) number of rows X number of rows	
	(D) number of columns X number of columns	
Q.3	A matrix has 16 elements. Which of the following can be the order of the matrix?	
	(A) 1 × 16	(B) 2×8
	$(C)4 \times 4$	(D)All of these
Q.4	If a matrix has 13 elements, then the possible orders of the matrix are	
	(A) 1 × 13 or 13 × 1	(B) 1 × 26 or 26 × 1
	(C) 2 × 13 or 13 × 2	(D)None of these
Q.5	If A is a matrix of order 2×3 , B is of matrix (AB) or (AB) ^t	s a matrix of order 3×5 , then what in the order
Q.6	What are the possible order of matrix, having 6 elements?	

CLASS 12

- **Q.7** If A is matrix or order $m \times n$ and B is a matrix such that AB' and B'A are both defined, then order of matrix B is
 - (A) $m \times m$ (B) $n \times n$
 - (C) $n \times m$ (D) $m \times n$

ANSWER KEY

- 1. (B) 4 elements
- 2. (A)number of rows X number of columns
- **3.** (D)All of these
- 4. (A) 1×13 or 13×1
- 5. $(AB)^{T} = 5 \times 2.$
- **6.** 6 × 1, 2 × 3, 3 × 2
- 7. (D) $m \times n$