Lalbaba College
MTMG
Internal Assessment 2021
Semester - V
Paper - DSE

fullmarks -
10

Time -
30 minutes

$(10 \times 1) = 10$

Answer the followings: -

1) Find the degree of the vertex x_1 of the given graph
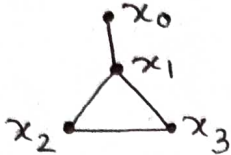
(a) 2   (b) 1   (c) 3   (d) 4

2) In a graph of n vertex the maximum degree of a vertex can be -

(a) n (b) $n-1$ (c) $n+1$ (d) None of these

3) Adacent matrix is —

(a) Symmetric   (b) Skew symmetric   (c) Identity matrix   (d) Null matrix

4) Draw Peterson Graph

5) A closed walk is —

(a) Path   (b) Cycle   (c) It may be path or cycle   (d) Neither path nor cycle

6) The ∴ Length of the cycle in the given graph is —

(a) 6   (b) 5   (c) 4   (d) 7

7) Define loop.

8) Define complete graph.

9) The order of Incidence matrix will be —

(a) (no of vertex) × (no of edges)   (b) (no of edges) × (no of vertex)

(c) (no of vertex) × (no of vertex)   (d) none of these

10) Define Simple graph.