

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

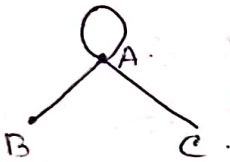
Full Marks - 10

Time - 30 minutes

Answer the followings :-

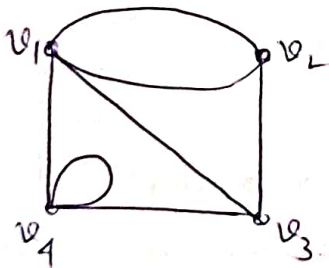
1. Define simple graph.
2. A graph with all vertices having equal degree is known as _____.
3. Every tree on n vertices has _____ edges.

4. What is the degree of the vertex A.



5. In any graph, the number of vertices of odd degree is even. \rightarrow True/False.

6. Find out the adjacency matrix of the given graph? (2)



7. Draw the complete graph K_5 .
8. Every connected graph contains a spanning trees. - True/False?
9. Define Hamiltonian circuit.