

Class Test 3

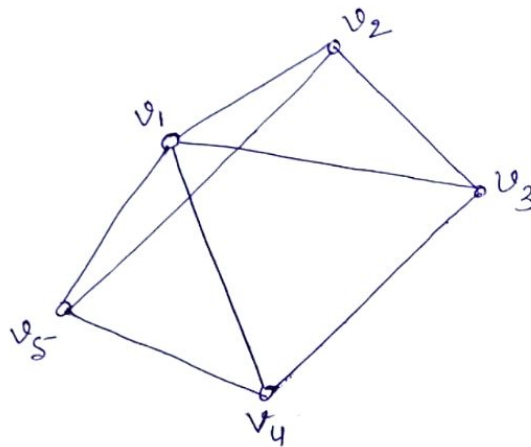
(Nov. 2021)

MC 405-

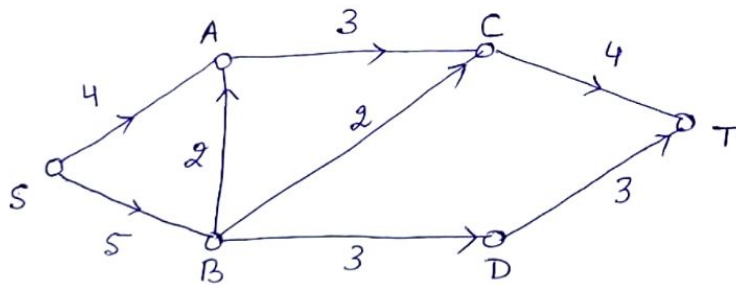
(Graph Theory)

Max. Marks : 15-

- Q1. Find the chromatic polynomial of the graph given below :

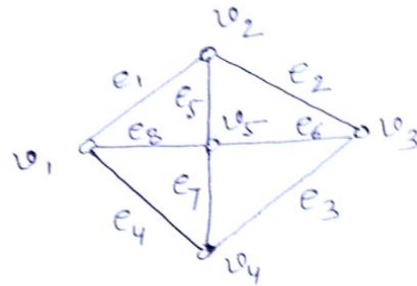


- Q2. By using Ford-Fulkerson algorithm, find the maximum flow for the network below!

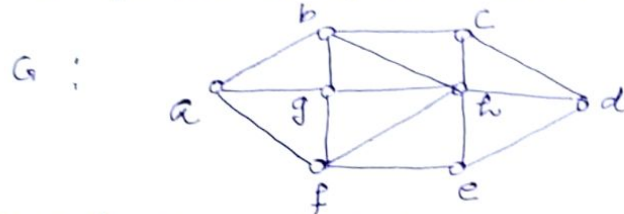


Q3.

(a) Find a cut-set for the following graph



(b) For the graph G given below



- (i) Find out a matching with only 6 vertices.
- (ii) a perfect matching.
- (iii) a set of edge which is not a matching.
- (iv) maximum matching.