

CLASS: B. E 3RD SEMESTER

COURSE NO.-PIT-301

COURSE TITLE: COMPUTER ORGANISATION AND ARCHITECTURE

BRANCH: INFORMATION TECHNOLOGY

ASSIGNMENT-1

DATE OF SUBMISSION: 03-10-2019

Max. Marks: 50

- Q1. Design the flowchart of instruction cycle including the interrupt cycle for basic computer. (10)**
- Q2. Compare the instruction format of computer instruction format and microinstruction format. (10)**
- Q3. Outline the characteristics of RISC and CISC. (10)**
- Q4. a) Are all microprogrammed computers also microprocessor? Justify your answer. (05)**
- b) Investigate why read and write control lines in a DMA controller are bidirectional. (05)**
- Q5. Differentiate between isolated I/O and memory-mapped I/O. (10)**

MAHANT BACHITTER SINGH COLLEGE ENGG. & TECH.

BRANCH-IT (3RD)

COURSE CODE-BSC-301

COURSE NAME-DISCRETE MATHEMATICS

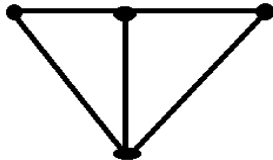
M.M-50

DATE OF SUBMISSION: 03-10-2019

ASSIGNMENT-I

Q1.State Konigsberg bridge problem and illustrate with the help of suitable examples/ diagrams. (15)

Q2. Explain spanning tree. Generate all spanning trees for the given graph:

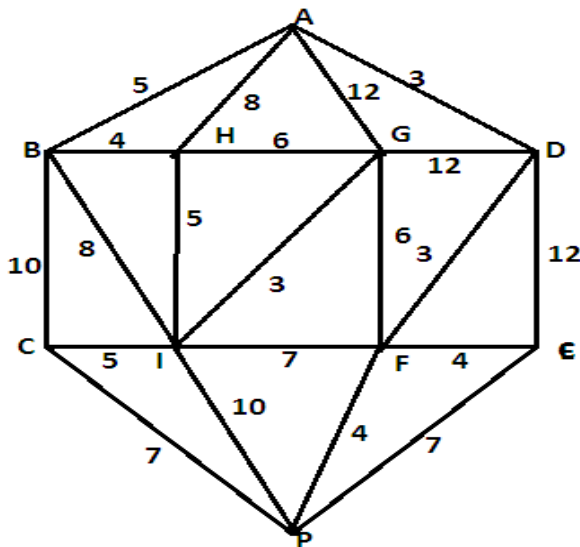


(15)

Q3(a) Relate that in a graph, the number of vertices of odd degree is even.

(b) If a k -regular graph has 7 vertices and 14 edges. Find the value of k , also model the graph. (5, 5)

Q4 Explain Dijkstra's algorithm and use it to find the shortest path between vertex A and P of the graph.



(10)

MAHANT BACHITTAR SINGH COLLEGE OF ENGINEERING & TECHNOLOGY

ASSIGNMENT 1

Course Code:-HMC-301

Date of Submission:-03-09-2019

Course Title:- Organisation & Management

Marks:-50

- Q1. Compare Henry Fayol's Administrative Management Theory and Taylor's Scientific Management Theory. (20)**
- Q2. Outline the importance and process of Decision –Making. (10)**
- Q3. Investigate the techniques used for improving group decision-making. (10)**
- Q4. Analyse the process of planning and investigate various barriers to effective planning. (10)**