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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT Test-1 EXAMINATION- March 2018

M.Tech.(ECE), 4th Sem

COURSE CODE: 11M1WEC433	
COURSE NAME: Fault-Tolerant Systems	MAX. MARKS: 15
COATE TO STORIES	

COURSE CREDITS: 03

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

- Q1. Define and explain the following terms with example of each:
 - (i) Graph, (ii) Path, (iii) Loop, (iv) Circuit, (v) Connectedness, (vi) Degree of node

(3)

- Q2. Explain the method of evaluating reliability and capacity related reliability using the method of
- Q3. Write and explain the following argorithms for finding the shortest distance in a network:
 - (i) Dijkstra algorithm
 - (ii) Bellman-Ford algorithm

Give the companison also

(4)

Q4. What is difference between routing algorithm and routing protocol? Develop the following routing based on criteria: (a) min. delay max. reliability, (b) min. delay max. bandwidth (4)