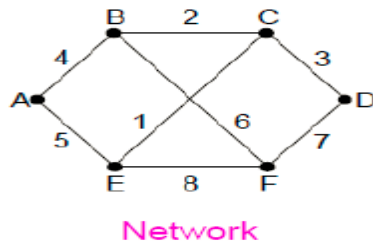**Quiz 9**
Operating Systems and Networks
IIIT Hyderabad
Time: 30 minutes; Max. Marks: 24

Note: Give a brief and correct answer. **Mention your name and roll number on the answer sheet. Answer the question after writing the FIRST 10 WORDS OF THE QUESTION ALONG WITH THE QUESTON NUMBER in the answer sheet.**

1. What do you mean, when we say "network layer deals with end-to-end transmission" [4]

2. Give two example applications where connection oriented service is appropriate. Now, give two examples where connection-less service is best. [4]

3. Consider the following network. Distance vector routing is used and the following vectors have just come in to router C; from B: (5,0,8,1,6,2); from D: (16,12,6,0,9,10); from E (7,6,3,9,0,4). The cost of the links from C to B, D, and E, are 6, 3 and 5 respectively. What is C's new routing table? [8]

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4. Explain the issues of Round-robin fair queuing packet scheduling algorithm. Discuss how a Byte-by-byte round-robin improves the performance over the fair queuing packet scheduling algorithm. [8]