

Data Communication and Computer Network

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Time: 2 hrs.**Full Marks: 50**

Pass Marks: 18 (For partial students only)

Attempt **all** the questions.**Group 'A'****(Very short answer questions)**

5x2=10

1. List out the communication media.
2. What is TDM ?
3. What is star topology ?
4. List out the two function of router.
5. What is wireless network ?

Group 'B'**(Short answer questions)**

5x6=30

6. Compare Frequency Modulation and Amplitude Modulation.
7. What are the features of LAN and WAN ? Describe. 6
8. What are the different types of communication media ? Explain. 2+4
9. How do you apply the different class of IP address number in computer networking ? Justify. 2+4
- 10 List out the common problems in router and suggest the best solution for this problems. 6

Group 'C'**(Long answer question)**

10

11. Describe the OSI reference model with functional description of each layer.