

**B.Tech Sem - VIII (2007 Course) (E & TC Engg.) : WINTER -
2017**

SUBJECT : ELECTIVE-II – TELECOM NETWORK MANAGEMENT

Day : **Wednesday**
Date : **22/11/2017**

W-2017-2713

Time : **02.30 PM TO 05.30 PM**
Max. Marks : 80.

N.B.:

- 1) Q. No. 1 and Q. No. 5 are **COMPULSORY**. Out of the remaining attempt any **TWO** questions from each section.
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the **RIGHT** indicate full marks.
- 4) Assume suitable data, if necessary.

SECTION-I

- Q.1** a) Compare circuit switching and packet switching with different parameters. (05)
b) What is FCAPS model in Telecom Management? (05)
c) Explain ADSL in short. (04)
- Q.2** a) What are various network design issues of LAN? (06)
b) Explain types of networks with network components. (07)
- Q.3** a) What do you mean by operation support system (OSS)? (06)
b) Explain in brief architecture of TNM. (07)
- Q.4** a) Explain Cable Modem in details. (07)
b) What do you mean by leased line? Compare it with dial up connections. (06)

SECTION-II

- Q.5** a) Explain distributed routing. (05)
b) Write short note on Traffic Management. (05)
c) Can SNMP protocol be used for managing the LAN having windows XP machines? (04)
- Q.6** a) What are disadvantages associated with distance vector routing concept? (06)
b) Explain shortest path routing algorithm with one example. (07)
- Q.7** a) As a network manager, you are responsible for the operation of a network. You notice heavy traffic in a host on a router and want some details. (08)
i) Which basic network monitoring tool would you see?
ii) Which parameters would you check in your results or report?
b) What is Management Information Base (MIB)? (05)
- Q.8** a) Compare SNMP V₁, SNMP V₂ and SNMP V₃. (07)
b) Write note on necessity of networking monitoring. (06)

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