

B.TECH SEM – VIII (2007 COURSE) (ELECTRONICS ENGG.) :

SUMMER - 2018

**SUBJECT: ELECTIVE-II: d) MANAGEMENT OF
TELECOMMUNICATION NETWORK**

Day: **Thursday**
Date: **07/06/2018**

S-2018-2885

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 questions attempt **ANY TWO** questions from each section.
- 2) Answers to both the sections should be written in the **SEPARATE** answer books.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.
- 4) Figures to the right indicate **FULL** marks.
- 5) Assume suitable data if necessary.

SECTION-I

- Q.1** a) Compare circuit switching and packet switching. (05)
b) State the applications of SONET. (05)
c) Write a note on cable modem. (04)
- Q.2** a) Explain network design tools. (07)
b) Explain the concept of node placement and sizing. (06)
- Q.3** a) With the help of block diagram explain the ATM protocol architecture. (07)
b) compare frame relay and ATM. (06)
- Q.4** a) State and explain various technology used for wireless LANs. (07)
b) Write in brief on DSL technology. (06)

SECTION-II

- Q.5** a) What are the goals of routing algorithm? (05)
b) State the factors affecting QoS. (05)
c) Write a short note on network maintenance. (04)
- Q.6** a) What are the main issues in routing? (07)
b) Explain static and dynamic routing. (06)
- Q.7** a) Explain traffic shaping technique. (07)
b) Explain the token bucket algorithm. (06)
- Q.8** a) Explain customer management. (07)
b) Write in brief on Network management using SNMP. (06)

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