

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

Day: Thursday
Date: 15/11/2018

W-2018-3023

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) What are the network design issues? (05)
b) State the advantages of ISDN. (05)
c) What is Bluetooth? (04)
- Q.2** a) Compare circuit switching and virtual switching. (07)
b) Write in brief on switching technology. (06)
- Q.3** a) Draw and Explain ATM protocol architecture. (07)
b) Write in brief on Frame relay. (06)
- Q.4** a) Write in brief on ASDL modem. (07)
b) Explain cable network in Data transmission. (06)

SECTION-II

- Q.5** a) Write a note on Reliability. (05)
b) What is fault management? (05)
c) Define static and dynamic routing. (04)
- Q.6** a) What are the goals of routing algorithm? (07)
b) Explain with suitable example the distance vector routing algorithm. (06)
- Q.7** a) Explain token bucket algorithm. (07)
b) Explain various means to reduce crosstalk. (06)
- Q.8** a) State and explain basic function of OSS. (07)
b) Write in brief on network management using SNMP. (06)