

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

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

W-2017-2680

N.B:

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

SECTION-I

- Q.1**
- a) Compare LAN and MAN. (05)
 - b) What is ATM? Where it is required? (05)
 - c) State various applications of wireless LAN. (04)

- Q.2** Explain in brief on the network design issues. (13)

- Q.3**
- a) What do you mean by broadband network also compare ATM and frame relay. (07)
 - b) Write a short note on user interface using ISDN. (06)

- Q.4**
- a) Write in brief on Bluetooth protocol architecture. (07)
 - b) Write a note on cable modem. (06)

SECTION-II

- Q.5**
- a) What are the main issues in routing? (05)
 - b) Write a note on traffic management. (05)
 - c) State the techniques used for achieving good QoS. (04)

- Q.6**
- a) Classify the routing algorithm and explain the concept of static routing v/s dynamic routing. (07)
 - b) What is centralized routing? Write its advantages & disadvantages. (06)

- Q.7**
- a) Write in brief on crosstalk and interference in telecom network. (07)
 - b) Explain the role of bandwidth in improving QoS. (06)

- Q.8**
- a) Write in brief on telecom network operations and maintenance. (07)
 - b) What is OSS? And write the advantages of SDH technology. (06)