

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST-3 EXAMINATION- MAY 2018
B.Tech (ECE/CSE/IT/BI) VIII Semester

COURSE CODE: 11B1WCI836

MAX. MARKS: 35

COURSE NAME: Network Management

COURSE CREDITS: 3

MAX. TIME: 2HRS

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

Q.1. [5 Marks. Each part is 1mark]

- a) List 10 differences between LAN and WAN technologies.
- b) Describe the ATM cell structures?
- c) Give design centric comparison of a traffic network with transporter network.
- d) Define Call Blocking Probability of a telephone traffic network.
- e) Explain commonly used Network Management Tools?

Q.2. [6 marks] Describe the major changes in SNMPv2 as compared with SNMPv1.

Q.3. [6 marks] Explain the VACM model for access control in SNMPv3.

Q.4. [6 marks] Explain architecture of the broadband access network using HFC.

Q.5. [6 marks] Explain message formats in the communication model of SNMPv3.

Q.6. [6 marks] Write short notes on the following.

- a) RMON Network Management Framework
- b) Network Performance management.
- c) Information Model for Network Management .