

R17

Code No: 5458AB

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M. Tech I Semester Examinations, January - 2018

COMPUTER NETWORKING

(Computer Science and Engineering)

Time: 3hrs

Max.Marks:75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A

5 × 5 Marks = 25

- 1.a) What are the goals of ATM? [5]
- b) Explain about the IPv6 header. [5]
- c) Explain the components of Domain Name System. [5]
- d) Explain about the agent advertisement in mobile IP. [5]
- e) Explain the standards of SONET/SDH. [5]

PART - B

5 × 10 Marks = 50

- 2.a) Differentiate between packet switching and circuit switching.
- b) Explain about the channelization of MAC layer protocols. [5+5]

OR

3. Explain about the Internet protocol stack. [10]

- 4.a) Explain about the components of SNMP model.
- b) Explain about the Spanning Tree Protocol. [5+5]

OR

5. Explain the functions of Network Management system. [10]

6. Explain about the TCP and UDP sockets. [10]

OR

7. Explain about the Secure File Transfer Protocol. [10]

8. Explain the 3G system architecture with neat sketch. [10]

OR

- 9.a) Explain the CDMA in wireless networks.
- b) Explain about the multimedia services in computer networks. [5+5]

10. List the IPSec protocols. Explain any one protocol in detail. [10]

OR

- 11.a) Explain about the VOIP.
- b) Explain about the IP Multicasting. [5+5]

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