

Code No: 5405AB

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**M. Tech I Semester Examinations, June/July - 2019****COMPUTER NETWORKING****(Computer Science)****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) Differentiate between client/server and peer to peer model. [5]
- b) Explain about Classless Inter Domain Routing. [5]
- c) Differentiate between HTTP and HTTPS. [5]
- d) Explain the network topologies used in WiFi. [5]
- e) Explain about the virtual networking. [5]

PART - B**5 × 10 Marks = 50**

- 2.a) Explain about the Access networks.
 - b) Explain the principle characteristics of ATM. [5+5]
- OR**
- 3.a) Explain the different types of delays in Packet Switched Networks.
 - b) Explain about the ATM physical layer. [5+5]
4. Explain about ICMP. [10]
- OR**
5. Explain about the Data Center Networking. [10]
 6. Explain about the Mobile TCP and also advantages and disadvantages of Mobile TCP.[10]
- OR**
7. Explain about the Domain Name Service. [10]
 8. Explain the architecture of IEEE 802.11. [10]
- OR**
- 9.a) Explain the handoffs in GSM.
 - b) Explain the device types of Zigbee. [5+5]
10. Explain about the different modes of IPSec. [10]
- OR**
11. Explain about the four SSL protocols. [10]

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