

**Code No: 843AB****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA III Semester Examinations, April/May - 2019****COMPUTER NETWORKS****Time: 3hrs****Max.Marks:75****Note:** This question 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) Give a short note on " Evolution of Internet". [5]
- b) What are Data link layer design issues? [5]
- c) What is quality of service? [5]
- d) What are the services provided by Transport layer? [5]
- e) Define DNS? Compare and contrast FQDNs and PQDNs. [5]

PART - B**5 × 10 Marks = 50**

2. Describe TCP/IP protocol suite. [10]
- OR**
3. Write in detail about the wireless transmission. [10]
4. Describe in detail about point to point WANs. [10]
- OR**
5. Describe in detail about the flow and error control mechanisms in data link layer. [10]
6. Compare and contrast between shortest paths routing and Distance vector routing. [10]
- OR**
7. Write in detail about BGP. [10]
8. Discuss about connection management. [10]
- OR**
9. Explain about UDP package in Detail. [10]
10. What is SNMP? State and describe the roles of SMI and MIB in SNMP. [10]
- OR**
11. Explain any two video/audio compression techniques. [10]

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