CS/IT 321

Hall Ticket Number:

III/ IV B.Tech (Supplementary) DEGREE EXAMINATION

April, 2018 **Common for CSE/IT**

Sixth Semester **Computer Networks**

Time: Three Hours **Maximum :** 60 Marks

Answer Question No.1 compulsorily. (1X12 = 12 Marks)

Answer ONE question from each unit. (4X12=48 Marks)

1. Answer all questions (1X12=12 Marks)

a.. Social issues of computer networks.
b. What is meant by store and forward packet switching?
c. Distinguish between adaptive and non-adaptive algorithms.
d. Uses of subnet?
e. Write techniques for achieving good quality of service.
f. What is fragmentation?
g. Uses of Berkeley sockets.
h. What is meant by transport entity?
i. What is multiplexing?
j. Write message formats for electronic mail.
k. Uses of HTTP.
l. Necessity of application layer.

UNIT I

2.a. Describe Protocol Hierarchies. 6M

2.b List two ways in which the OSI reference model and the TCP/IP reference model are same and also list two ways in which they differ. 6M

(OR)

3.a. Describe a Comparison of Virtual circuit and Data gram subnets. 6M

3.b. Explain Hierarchical Routing algorithm in detail. 6M

UNIT II

4.a. Describe Congestion prevention policies. 4M

4.b. Explain load shedding and jitter control in detail. 8M

(OR)

5.a. Describe Tunnelling in detail. 4M

5.b Explain Interior and Exterior Gateway routing protocols. 8M

UNIT III

6.a Explain Flow control and Buffering with relevant figures. 6M

6. b Describe Remote procedure call and the Real-Time transport protocol. 6M

(OR)

7.a. Illustrate TCP segment header with figure. 6M

7.b Describe TCP congestion control and TCP timer management. 6M

UNIT IV

8.a. Explain static and dynamic web documents with examples. 6M

8. b Describe Multimedia in detail. 6M

(OR)

9.a Illustrate DNS with relevant figures. 6M

9.b Describe Architectural Overview of WWW. 6M