III B.Tech I Semester Examinations – November 2017

**COMPUTER NETWORKS**

Time: **3** hours (CSE/IT) Max. Marks: **60**

# SECTION – A

(Short Answer Questions)

**Answer all ten questions 10×1M=10M**

1. Which topology covers security, robust and eliminating traffic factor?
2. Mesh B) Ring C) Star D)Bus
3. A communication path way that transfers data from one point to another is called--------
4. If the bit string 0111101111101111110 is subject to bit stuffing for the flag string 01111110, the output string is.--------------------------------
5. Which of the following is not a Ethernet message packet?
6. Type B) Data C) Pin-code D) Address
7. -------------------- Layer performs Routing and Communication
8. RARP means:---------------------------
9. Packaging the parameters is called ------------------------------
10. RTP means
11. Real Time Protocol B) Real Time Transport Protocol C)Both D) None
12. Choose best language to build WWW
13. PHP B) HTML C) XML D)All the above
14. The transfer protocol used throughout the World Wide Web is :-------------------------------

**SECTION – B**

**Answer all five questions 5×2M= 10M**

1. List out built in HTTP request methods.
2. Define choke packet.
3. Define Broadcast Routing .
4. How we generate the IP Adresses
5. Interpret XML and XSL

**SECTION – C**

**Answer all four questions 4×5M = 20M**

1. Discuss about ATM reference model

**(OR)**

1. Differentiate between ARPANET and NSFNET
2. Discuss about DNS.

**(OR)**

1. Discus about World Wide Web(WWW).
2. Demonstrate Dijkstra’s algorithm to find shortest path with an example.

**(OR)**

1. Interpret Token bucket and Leaky bucket algorithms
2. Explain about OSI reference Model

**(OR)**

1. Explain about TCP/IP reference Model.

**SECTION – D**

**Answer all two questions 2×10M= 20M**

1. Describe the Internet Transport Protocols: UDP

**(OR)**

1. Describe the Internet Transport Protocols: TCP
2. Discuss in detail about guided transmission media.

**(OR)**

1. Discuss in detail about sliding window Protocols.