

**B.Tech. – VIEP – COMPUTER SCIENCE AND
ENGINEERING (BTCSVI)****Term-End Examination****December, 2015****BICS-017 : COMPUTER NETWORKS***Time : 3 hours**Maximum Marks : 70*

Note : Attempt any *seven* questions. All questions carry equal marks.

1. (a) What is meant by multitask routing ?
Explain. 5
- (b) What are framing methods ? Explain any
two framing methods in brief. 5
2. (a) What are the IEEE standards ? Discuss the
token format of IEEE 802.5. 7
- (b) Write the merits of a network switch over a
Hub. 3
3. How are multimedia applications classified ?
Explain in detail. 10
4. Explain the following : 4+3+3
 - (a) ARP
 - (b) Aloha
 - (c) DNS Server

5. What is the difference between a physical address, a network address and a domain name ? Also discuss upward multiplexing. 10
6. (a) Explain about the frame format of PPP. 5
(b) Explain TCP/IP protocol stack. 5
7. (a) Write a short technical note on TFTP. 5
(b) How does DNS work ? Explain. 5
8. (a) What is a Network Topology ? Explain in brief any four Network Topologies. 5
(b) Explain in detail X.25 protocol. 5
9. Explain the header formats of IPv4 and IPv6. Write the merits and limitations of both. 6+4
10. Write short notes on any *two* of the following : 2×5=10
- (a) Wireless Networks and Standards
- (b) Unicast and Multicast Routing
- (c) Denial of Service (DoS) Attack and Preventive Measures
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