

**B. TECH. IN COMPUTER SCIENCE AND
ENGINEERING
(BTCSVI)**

Term-End Examination

December, 2012

BICS-017 : COMPUTER NETWORKS

Time : 3 hours

Maximum Marks : 70

Note : Attempt any seven questions.

1. What is a protocol ? Explain the types of protocol layers and services. 2+8

2. Define Network Core. Explain socket programming in detail. 2+8

3. Write short notes on UDP. What is a congestion control in Network ? 5+5

4. Define Mobility. How do you explain Multi casting Performed in IP ? 2+8

5. Briefly explain ARP. What is multiple access protocol ? 6+4

6. Discuss the following : 4x2.5=10
- (a) Hubs (b) Bridges
(c) Switches (d) Ethernet
7. What is Multimedia ? What are the steps followed for streaming audio and video ? 2+8
8. How do you explain real time Protocol ? Briefly explain security techniques. 3+7
9. Explain in detail about Cryptography. 10
10. Write short notes on the following (*any two*). 5+5
- (a) ATM
(b) Integrity
(c) Key distribution technique.
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