

**DIPLOMA – VIEP – COMPUTER SCIENCE AND
ENGINEERING (DCSVI)**

Term-End Examination

00516

June, 2017

BICSE-006 : ELECTIVE – COMPUTER NETWORKS

Time : 2 hours

Maximum Marks : 70

Note : Answer *five* questions in all. Question no. 1 is *compulsory*. All questions carry equal marks.

1. (a) Explain various types of networks. 7
(b) What is TCP/IP reference model ? Discuss all the layers. 7
2. (a) Compare and contrast Error control and Flow control. 7
(b) Write a short note on error-correcting code. 7
3. (a) Distinguish between Static channel allocation and Dynamic channel allocation. 7
(b) Discuss the two versions of ALOHA — pure and slotted, briefly. 7
4. (a) Explain Shortest path routing. 6
(b) Discuss Flooding. 4
(c) Describe Multicast routing. 4

5. (a) What is the purpose of ICMP ? What kind of information does ICMP carry ? 4
- (b) Compare and contrast TCP and UDP protocols. 10
6. (a) Distinguish between static and dynamic websites. 5
- (b) Explain File Transfer Protocol. 5
- (c) Describe Wireless Web. 4
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