

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V • EXAMINATION – SUMMER 2013****Subject Code: 150702****Date: 16-05-2013****Subject Name: Computer Network****Time: 10.30 am - 01.00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain distance vector routing **07**
(b) Explain working principle of HDLC **07**
- Q.2** (a) List difference between OSI and TCO/IP model **07**
(b) Using example explain flow control **07**
- OR**
- (b) List difference between Transport layer and Network layer **07**
- Q.3** (a) List demerits of unguided transmission media **07**
(b) Explain the working principle of bridges **07**
- OR**
- Q.3** (a) Explain the working principle of stop and wait protocol **07**
(b) Explain the working principle of CSMA **07**
- Q.4** (a) Explain working principle of wireless LAN protocols **07**
(b) Discuss the working principle of UDP **07**
- OR**
- Q.4** (a) Explain working principle of limited contention protocols **07**
(b) Discuss the working principle of TCP **07**
- Q.5** (a) Explain in detail OSPF **07**
(b) Explain in detail X.25 **07**
- OR**
- Q.5** (a) Explain in detail IPV6 **07**
(b) Explain in detail Virtual LANs **07**
