

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE – SEMESTER–VIII • Remedial EXAMINATION – WINTER 2013**

**Subject Code: 180704****Date: 13/09/2013****Subject Name: Advance Computer Networks****Time: 03:00 pm – 05:30 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 SONET structure. **07**  
(b) Explain ATM header cell format. **07**
- Q.2** (a) Write different equipment used in X.25 and explain architecture of X.25. **07**  
(b) Explain ATM adaption layer. **07**
- OR**
- (b) Map ATM service classes to QoS classes and AAL protocols. **07**
- Q.3** (a) Compare Intra domain and Inter Domain routings. **07**  
(b) List and explain Transport layer protocol of TCP/IP protocol suit in brief. **07**
- OR**
- Q.3** (a) Compare static and dynamic routing. **07**  
(b) Explain functionality of ARP and RARP. **07**
- Q.4** (a) Write short note on Routing Information Protocol. **07**  
(b) Write and explain ATMARP packet format. **07**
- OR**
- Q.4** (a) Write short note on Open shortest path first Protocol. **07**  
(b) What is Multiprotocol Label Switching? Explain its working and operation. **07**
- Q.5** (a) Explain standard network management protocol. **07**  
(b) Write and explain commands to configure router. **07**
- OR**
- Q.5** (a) Write short note on spanning tree protocol. **07**  
(b) Explain classful IP addressing scheme. **07**

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