

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE - SEMESTER-VIII (old) - EXAMINATION – SUMMER 2018**

**Subject Code:180704**

**Date:07/05/2018**

**Subject Name:Advance Computer Networks (Department Elective - II)**

**Time:10:30 AM to 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) Write short note on SONET. **07**  
(b) Explain network layer protocols of TCP/IP. **07**
- Q.2** (a) What is AAL? Explain types of AAL in detail. **07**  
(b) Explain X.25 Architecture. **07**
- OR**
- (b) Explain methods of packet switching. **07**
- Q.3** (a) Explain commands to configure router. **07**  
(b) Explain Border Gateway Protocol. **07**
- OR**
- Q.3** (a) What is traffic engineering? Explain characteristics. **07**  
(b) Explain OSPF protocol. **07**
- Q.4** (a) Write short note on VOIP. **07**  
(b) Explain Real Time Transport Protocol. **07**
- OR**
- Q.4** (a) Explain ATM reference model. **07**  
(b) Explain Spanning Tree Protocol. **07**
- Q.5** (a) Explain RSVP protocol. **07**  
(b) Explain architecture of Storage Area Network. **07**
- OR**
- Q.5** (a) Explain Layer2 switching methods. **07**  
(b) Compare Intra and Inter domain routings. **07**

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