

Code: 17ECMC2T4

**I M.Tech - II Semester – Regular Examinations – AUGUST 2018**

**OPTICAL NETWORKS**  
**(MICROWAVE & COMMUNICATION ENGINEERING)**

Duration: 3 hours

Max. Marks: 60

Answer the following questions.

1. Explain ATM functions in detail. 15 M
- OR
2. a) Discuss SONET/SDH physical layer. 8 M
- b) Explain IP routing. 7 M
  
3. Discuss LTD and RGA problems in WDM network design. 15 M
- OR
4. Describe Add/Drop Multiplexers of WDM. 15 M
  
5. Briefly explain the concept of Performance and Fault management. 15 M
- OR
6. Explain about configuration management and optical safety. 15 M

7. Explain the following:

a) Architecture of Access Network

8 M

b) Enhanced HFC

7 M

OR

8. Discuss optical layer protocol schemes.

15 M