**BEET5-IV**

**Seventh Semester B. Tech Electronics & Telecommunication Engineering**

**Examination Aug/Sep-2015**

**(Elective-IV) Optical Fiber Communication**

**Time:-3Hours Max. Marks: - 75**

**SECTION-A**

**Answer any five questions. (5\*5)**

1. What are Optical Networks?
2. What are the characteristics of a Laser Diode?
3. Classify WDM Systems.
4. What is Index Profile?
5. Write in nutshell about Erbium Doped Fiber Amplifier (EDFA).
6. Define System Design.
7. Briefly write about Direct Melting.

**SECTION-B**

**Answer any two questions. (10\*2)**

1. Give a detail overview of Video Technologies.
2. Discuss System Requirements of Fiber Optic Communication System Design.
3. Write a satisfactory note on Routing Methodology.

**SECTION-C**

**Answer any two questions. (15\*2)**

1. Enumerate the characteristics of Voice Signals.
2. Elaborate Photonic Switching.
3. Write a detail note on Local Area Network Applications.