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Roll No ....

MEDC - 204

M.E./M.Tech., II Semester

Examination, June 2014

Optical Network

Time : Three Hours

Maximum Marks : 70

Note : Attempt any five questions. All questions carry equal marks.

1. a) Explain briefly about first generation Optical Networks.

   b) Differentiate between virtual circuit services and data gram services.

2. a) Explain the principle working of FBG as add/drop multiplexer.

   b) Explain the principle working of acoustics optical tunable filter.

3. a) What are the elements of SONET/SDH infrastructure.

   b) Explain briefly about the IP layer architecture.

4. a) Explain the principle working of slotted Aloha.

   b) Give a brief overview of LAMBDANET.

5. a) Discuss about the virtual and circuit switching topology.

   b) What do you understand by wavelength reuse reliability.

6. a) Give a brief overview of OTDM network.

   b) What is meant by photonic packet switching.

7. a) What are static and reconfigurable networks.

   b) Discuss the architecture of ESCON.

8. Write short notes on any two of the following.

   a) MAC

   b) Fabry perot filters

   c) Optical asymmetric demultiplexer.

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