

**MASTER OF BUSINESS ADMINISTRATION  
(MBACT)**

**Term-End Examination**

00725

**December, 2014**

**MCTE-018 : NETWORKING IN  
TELECOMMUNICATION**

*Time : 3 hours*

*Maximum Marks : 100*

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**Note :** Answer any **five** questions. All questions carry equal marks.

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1. Explain the evolution of IN – Intelligent Network Environments. Also explain the components of Telecommunication systems. 20
  
2. Differentiate the following : 20  
Fixed and mobile lines based on the Network Architecture, Standards and the Principles. Explain by taking suitable examples.
  
3. (a) What are switching systems used for ? Explain different types of switching used for Telecommunication. 10  
(b) Give the integration issues related to Telecommunication and Integration of IN. 10

4. Explain briefly the following : 4×5=20
- (a) Routers and Switches
  - (b) Video Conferencing
  - (c) Electronic Data Interchange (EDI)
  - (d) Network Types
5. (a) Explain the issues related to Web-based IN Management ? 10
- (b) What do you understand by Web-initiated Telephony and Web-IN ? 10
6. Explain the following with diagrams : 4×5=20
- (a) Common Channel Signalling (SS7)
  - (b) Client-Server Networking
  - (c) Topologies
  - (d) Fibre-Optical Cable
7. (a) Explain the Web-based IN Management ? 10
- (b) Explain the usage of IN principles for provision of value added services within Voice over IP ? 10
8. Write short notes on the following : 4×5=20
- (a) OSI Network Model
  - (b) CORBA
  - (c) Mobile Agents
  - (d) TINA
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