

MCA (Revised)
Term-End Examination
December, 2013

**MCS-022 : OPERATING SYSTEM CONCEPTS
AND NETWORKING MANAGEMENT**

Time : 3 hours

Maximum Marks : 100

Note : Question No. 1 is compulsory. Answer any three questions from the rest.

1. (a) What are the functionalities of Graphical User Interface ? 6
- (b) Write a note on Batch Processing. 6
- (c) What is a Distributed Operating system ? Explain in Detail. 6
- (d) Describe the different types of Networks. 6
- (e) What are the different types of Modems ? 7
- (f) What is Optical fibre ? List the Advantages of Optical fibre. 6
- (g) Write the advantages and disadvantages of Infrared Transmission. 3

2. (a) With reference to ISO-OSI Reference model, explain the different types of connecting devices in detail. 10
- (b) Explain about the TCP/IP Related protocols. 10

3. (a) Discuss about shell scripts in detail. 10
- (b) Write the short notes on Network File Server. 6
- (c) Explain about Backups and Restoration. 4
4. (a) Describe briefly about Group Accounts Administration. 7
- (b) How will you enable the offline file features ? 6
- (c) Give the steps how to use the Mapped Drive. 7
5. Write the short notes on the following : 20
- (a) Intrusion Detection System (IDS)
- (b) Fault Tolerant Systems
- (c) Packet Filters
- (d) Trust Relationships in Windows 2000
- (e) NTFS File System
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