

MCA (Revised)

Term-End Examination

June, 2013

09619

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 is an operating system ? Explain the component of computer system with a neat diagram. 6
- (b) Describe the evolution of operating system. 6
- (c) What are the characteristics of modern operating system ? 6
- (d) Explain the various topologies for a networking system. 6
- (e) Explain the detail about the OSI layers. 7
- (f) Give the differences between LAN and WAN. 6
- (g) Write down the purpose of the repeater. 3

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| 2. | (a) | List down the application layer protocols. Explain each one of them in detail.             | 10 |
|    | (b) | Explain the Architecture of Simple Network Management protocol (SNMP) with a neat diagram. | 10 |
| 3. | (a) | Discuss about the various component of Linux Operating System.                             | 10 |
|    | (b) | What are the file manipulation commands. Briefly explain them with the Syntax.             | 8  |
|    | (c) | What are called filters ?  | 2  |
| 4. | (a) | Explain about windows 2000 domains, workgroups and trusted relationships.                  | 7  |
|    | (b) | Discuss in detail about user account administration.                                       | 6  |
|    | (c) | How do you configure TCP/IP protocol setting for windows XP ?                              | 7  |
| 5. |     | Give a brief note on the following :   | 20 |
|    | (a) | System Access Control  |    |
|    | (b) | Password Management  |    |
|    | (c) | Intrusion Detection  |    |
|    | (d) | Firewall   |    |
|    | (e) | Windows NT Domain Management   |    |