

Roll No.

Exam Code : M-19

Subject Code—386

M.C.A. (Third Year) EXAMINATION

(Five Year Integrated Course)

(Main & Re-appear Batch 2009 Onwards)

INTERNET FUNDAMENTALS

MCA-304

Time : 3 Hours

Maximum Marks : 70

Section A

Note : Attempt any *Seven* questions. **7×5=35**

1. Write a short note on growth of Computer Networking.
2. Discuss probing of internet in detail.
3. Discuss interpretations of a ping response.
4. State various WAN technologies.

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5. Discuss the concept of Routing in detail.
6. Write a short note on Internet working concepts.
7. What IP encapsulation ? Discuss in detail.
8. Discuss the concept of Electronic Mail Representation.
9. Explain mechanism of remote file access.
10. Write a short note on Network Security.

Section B

Note : Attempt all the questions.

11. Discuss the complexity of Network Systems along with interpreting a ping response and tracing of a router. **12**

Or

Discuss the concepts packets, frames and error detection.

12. Illustrate various WAN technologies and routing in detail. **12**

Or

Write short notes on the following :

- (a) Internet Protocol Address
- (b) IP datagrams forwarding
- (c) TCP Reliable Transport Service.

13. Explain the mechanism of :

- (a) Naming with domain name system
- (b) Electronic-mail representation.

Or

Write short notes on the following :

- (a) World Wide Web Browsing
- (b) Dynamic Web Documentation
- (c) Network Management.