Subject Code—0416

M.C.A. (Third Year) EXAMINATION

(5 Years Integrated Course)

(Batch 2009 Onwards)

INTERNET FUNDAMENTALS

MCA-304

Time : 3 *Hours*   *Maximum Marks :* 70

Section A

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

1. Discuss the complexity of Network Systems.

2. Write a short note on growth of internet.

3. Explain the process of tracing a route on internet.

4. Discuss error detection mechanism in transmission over internet.

5. Discuss the concept of routing in detail.

6. Write a short note on Internet Working Concepts.

7. What is IP fragmentation ? Discuss in detail.

8. Explain the concept of Naming with domain Name System.

9. Explain mechanism of remote file access.

10. Write a short note on CGI technology.

Section B

Note : Attempt all the questions.

11. Discuss the growth of computer networking and growth of internet along probing the internet.

Or

Discuss the concepts of packet, frames and error detection in detail. **12**

12. Write short notes on the following :

(a) Routing

(b) Network Ownership

(c) Service paradigm and preformance.

Or

State and explain architecture and protocols for internet. **12**

13. Explain the mechanism of :

(a) Naming with domain name system

(b) Remote file access.

Or

Explain the utility of CGI technology for dynamic web documentation. **11**