

Roll No.

Subject Code—4116

M.C.A. (Third Year) EXAMINATION

(5 Years Integrated Course)

MCA-304

Internet Fundamental

May 2016

Time : 3 Hours *Maximum Marks : 100*

Note : Attempt any *Five* questions. All questions carry equal marks.

1. (a) Differentiate between HTTP, HTTPS, FTP and Telnet. 10
- (b) What is WWW ? 6
- (c) What do you mean by MAC address ? 4

2. What is CGI ? Lists and explain the steps needed for processing the form using CGI. 20

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3. (a) What is purpose of FTP ? Discuss the FTP connection mechanism between the client and server. 10
- (b) Differentiate between IPv4 and IPv6. 10
4. Write short notes on the following : 20
- (a) IP Encapsulation
- (b) IP Addresses
- (c) IP Datagrams and Datagram Forwarding
- (d) Network Service Paradigm and Performance.
5. (a) What are common functions of a fire wall ? 10
- (b) What are the tasks that a browser performs ? 10
6. (a) What do you mean by DNS ? 5
- (b) What is significance of Sign '@' in an e-mail address ? 5
- (c) What do you mean by .com and .edu ? 5
- (d) Why we use a domain name instead of IP address ? 5

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7. Write short notes on the following : **20**
- (a) Interpreting a Ping Response
 - (b) Routing
 - (c) Complexity in Network System
 - (d) Growth of Internet.
8. (a) Discuss the various security issues related with the data communication over internet. **10**
- (b) Discuss the functions of Proxy Server at the client end and at the server end. **10**