

Roll No.

Total No. of Questions : 09]

[Total No. of Pages : 02

MCA (Sem. - 5th)
INTERNET PROGRAMMING AND JAVA

SUBJECT CODE : MCA - 502

Paper ID : [B0123]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Attempt any one question from each sections - A, B, C, & D.
- 2) Section - E is **compulsory**.
- 3) Use of Non-Programmable **Scientific Calculator** is allowed.

Section - A

(1 × 10 = 10)

- Q1)** (a) Write a HTML code to create the feedback form.
(b) Differentiate between dial-up connection and direct connection.
- Q2)** Explain how the server browser communication is established in CGI.

Section - B

(1 × 10 = 10)

- Q3)** (a) Describe various protocols used for Email on the internet.
(b) What do you understand URL? Discuss absolute and relative URLs with examples.
- Q4)** (a) Describe the main protocols used in TCP/IP model.
(b) Differentiate between TELNET and FTP.

Section - C

(1 × 10 = 10)

- Q5)** Write a client server program in java. This program should also be able to server more than one client.
- Q6)** Discuss the following with respect to JAVA :
- (a) JDBC.
 - (b) Threads.

Section - D

(1 × 10 = 10)

- Q7)** What are the basic operations of Server Socket? Explain various methods used to receive data through socket.
- Q8)** Write a note on network programming.

Section - E

(10 × 2 = 20)

Q9)

- a) Give the constructors of data gram sockets in java.
- b) Why do we need scripting languages?
- c) What is meant by protocol handler?
- d) What are the sequences of steps for each HTTP request from a client to the server?
- e) What are events and how it can be handled in DHTML?
- f) Differentiate between domain name and URL.
- g) What are the features of PPP?
- h) Explain portals with example.
- i) What is SLIP?
- j) What is static in java?

