

Roll No. ....

Total No. of Questions : 09]

[Total No. of Pages : 02

**MCA (Sem. – 5<sup>th</sup>)**  
**INTERNET PROGRAMMING & 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 Section - **A, B, C & D**.
- 2) Section-**E** is **Compulsory**.
- 3) Use of Non-programmable **Scientific Calculator** is allowed.

**Section – A**

*(1 × 10 = 10)*

**Q1)** What is the difference between dial up and direct connection? Explain the complete procedure to setup dial up connection.

**Q2)** What is the difference between client and server site? Explain the working and purpose of ECOM and portals with an example.

**Section – B**

*(1 × 10 = 10)*

**Q3)** What are various classifications of IP addresses? Explain domain name system.

**Q4)** Explain the working of TCP/IP, FTP and HTTP.

*(1 × 10 = 10)*

**Q5)** Explain the Inheritance and its types with examples.

**Q6) a)** Explain the procedure to implement thread in Java with an example.

**b)** Explain the various flow control statements of Java.

### Section – D

(1 × 10 = 10)

- Q7)** What is the use of J component? What are various types of J components? Explain the working and use of any five J components with an example.
- Q8)** a) Explain the use and working of sockets.  
b) What is network programming? Explain it with an example.

### Section - E

**Q9)**

(10 × 2 = 20)

- a) What is slip?
- b) What is domain name revolution?
- c) What is the purpose of protocol?
- d) What is socket abstraction?
- e) What is the purpose of TELNET?
- f) Define the procedure to declare array in Java.
- g) What is the difference between HTML and DHTML?
- h) What is role of encapsulation?
- i) What is the use of environment variables?
- j) Define CGI.

