

Roll No.

Total No. of Questions : 09]

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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 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) Differentiate between HTML and DHTML.

Q2) What is CGI? Explain the role of CGI in server side programming.

Section - B

(1 × 10 = 10)

Q3) Differentiate between FTP and TELNET.

Q4) Explain Transmission Control Protocol/Internet Protocol (TCP/IP).

Section - C

(1 × 10 = 10)

Q5) Differentiate between JAVA and C++.

Q6) What is Applet? Create an applet which has different buttons which on clicking changes background colours.

Section - D

(1 × 10 = 10)

Q7) Write a program to illustrate the socket interface.

Q8) Explain JComponents.

Section - E

Q9)

(10 × 2 = 20)

- a) What is PPP?
- b) What is Portal? Explain.
- c) Explain electronic mail address.
- d) What is URL?
- e) What is the difference between application and applet?
- f) How we create an object of a class in Java?
- g) Write a program in Java to swap two numbers.
- h) Define socket programming.
- i) Explain the advantages of inheritance in java.
- j) Explain the role of Finalize method in Java.

