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Total No. of Questions : 09]   [Total No. of Pages : 02

Paper ID [MC502]

(Please fill this Paper ID in OMR Sheet)

MCA (Sem. - 5th)

INTERNET PROGRAMMING AND JAVA(MCA - 502) (N2)

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.**

Section - A

(1 × 10 = 10)

Q1) Discuss differences between SLIP and PPP protocols.

Q2) Explain client-server architecture with respect to CGI scripts.

Section - B

(1 × 10 = 10)

Q3) Discuss in detail DNS name structures.

Q4) Write short notes on following:-

    (a) FTP   (b) HTTP

Section -C

(1 × 10 = 10)

Q5) Explain with the help of program constructors in derived classes.

Q6) Discuss in detail thread life cycle in java.

Section - D

(1 × 10 = 10)

Q7) Discuss in detail with the help of example socket programming.

Q8) Write a program to print the IP address and names of local machine and also of three well-known Internet web sites.

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Section - E

Q9)

a) What role does a modem play in Internet?

b) Differentiate between HTML and DHTML.

c) What is the role of Internet addressing ?

d) What do you understand by flat name space?

e) What are the differences between applet and application?

f) What is the significance of finalize method in java?

g) What is method overloading?

h) Is array index out of bound supported by java? Justify your answer.

i) What is socket abstraction?

j) How is a socket created?

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