

- (c) What is Domain Name System (DNS) ? How the DNS server works ? What is the need for additional suffix such as com, edu, Gov ?
- (d) What is XML ? Create a XML document of 10 students of final MCA. Add their roll numbers, marks obtained in 5 subjects, total marks and percentage. Save this XML document at the server, write a program that accepts student's roll number as input and returns the students marks, total and percentage by taking the student's information for XML document.
- (e) What do you mean by CSS ? Write a CSS rule that makes all the text 2.5 times larger than the base font of the system.
- (f) Explain the term Document Type Definition (DTD) with the help of suitable examples.

3. Attempt any *two* parts of the following :— (6.5×2=13)

- (a) What is the difference between JAVA and JAVA SCRIPT ? How is Java strongly associated with internet ? Draw a flowchart to show how various Java tools are used in application development.
- (b) Discuss how CGI works at a conceptual level. What is the biggest disadvantage of CGI ?
- (c) What are exceptions and how they are handled ? Explain with an example. How we define a try and catch block ? Is it essential to catch all types of exceptions ?

Attempt any *two* parts of the following :— (6.5×2=13)

- (a) Is COM same as DCOM ? If not, what are the differences between them ? Describe the importance of COM/DCOM in making commercial website.
- (b) Write down short notes on the following :—
 - (i) Database Programming using JDBC
 - (ii) TOMCAT Servers.
- (c) What is JSP ? What are the advantages of JSP over CGI ? Also explain the various component of JSP in detail.