

Roll No.

97565

**M. Sc. (Computer Science) 4th Semester
(CBCS) Examination – July, 2020**

INTERNET & WEB DESIGNING

Paper : 17MCS24DB1

Time : Three hours]

[Maximum Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all. All questions carry equal marks.

1. (i) "Internet has become the lifeline of everyone",
Comment.
- (ii) What role does Internet Service providers must play for smooth internet working ?
- (iii) How bookmarks are useful in Internet working ?
- (iv) What features does a Usenet newsgroup must have for an efficient casting ?

- (v) Name any four most primitive elements of any HTML based web page.
 - (vi) What do you mean by nesting of HTML tags ? Give examples.
 - (vii) List the rules for declaring variables in java.
 - (viii) Write down the syntax and advantage of using ternary operator in java.
2. (i) Explain how the internet is different from intranet from design and architecture point of view.
- (ii) Why security is one of the most vital requirements of Client Server environment? Suggest any one security solution for Client Server model.
3. (i) Define different types of network topology. With the help of diagram and examples, explain the type of topology you will suggest for your computer lab and for your college and why ?
- (ii) Define the following terms: Spam and Virus. Also suggest the solutions to overcome the challenges faced due to spam and virus.
4. (i) Why the success of internet largely depends on the efficiency of Web Servers ? Write down different functions performed by the Web Servers.

- (ii) Define the term net browsing. Briefly explain any four browsing tricks for efficient data searching.
5. (i) What is Streamlining browsing ? List its advantages and applications where it can be helpful.
- (ii) How it is possible to keep track of some most frequently used Web sites ? Also discuss the concept of Web security.
6. (i) What all features and semantics make XHTML different from HTML ? Explain with the help of any five tags.
- (ii) What do you mean by a link ? How a web page can be linked to another web page ?
7. (i) What do you understand by the Form object of a web page ? What all features can be added to a web page by using form object ? Explain any four most important form elements used in HTML.
- (ii) Describe the procedure of publishing HTML pages with advanced layout of tables.

8. (i) Explain in details the goals, structure and syntax of XML with appropriate examples.

(ii) Describe the following briefly: DTD and their importance and relevance of Xpath.

9. (i) What are Cascading Style Sheets (CSS) ? Differentiate between inline, internal and external CSS with respect to their syntax and uses.

(ii) Why Java is gaining popularity as client side programming language. List its salient features. Also explain the tokens and dynamic arrays used in Java with appropriate examples.
