

**Bachelor of Science (B.Sc.) (I.T.) Semester–II (C.B.S.) Examination**

**WEB PROGRAMMING**

**Paper–IV**

Time : Three Hours]

[Maximum Marks : 50

**N.B. :—** (1) All questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagrams wherever necessary.

**EITHER**

1. (A) Explain internet users and working in detail. 5
- (B) What is search engine ? Explain different categories of search engines. 5

**OR**

- (C) Explain how will you use a search engine ? 5
- (D) What is e-mail ? Explain working with e-mail with suitable example. 5

**EITHER**

2. (A) What is document object ? Write a simple program to create form validation. 5
- (B) Explain sorting of arrays with suitable example. 5

**OR**

- (C) Explain working with forms with suitable example. 5
- (D) What is string ? Explain any four string functions with its syntax. 5

**EITHER**

3. (A) What is ASP objects ? Explain with suitable example. 5
- (B) Explain document object model in detail. 5

**OR**

- (C) How cookies are use to track the information ? Explain with suitable example. 5
- (D) Write a note on :
  - (i) XML Preprocessor
  - (ii) XML Schemes. 5

**EITHER**

4. (A) Why is XML necessary ? Explain with its benefits. 5  
(B) Explain advantages of integrating ASP and XML. 5

**OR**

- (C) Explain architecture of JSP application. 5  
(D) Write a note on :  
JSP and XML integrated application. 5
5. Attempt all :  
(A) Write a short note on URL. 2½  
(B) Explain recursion giving an example in Javascript. 2½  
(C) Explain the XML processor DOM. 2½  
(D) Explain directives in JSP. 2½