Question Paper Code : 80452

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2024.

Sixth Semester

Computer Science and Engineering

CS 8651 – INTERNET PROGRAMMING

(Common to: Computer and Communication Engineering)

(Regulations 2017)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define Web Server?

2. What is Inheritance in CSS?

3. What is the use of Regular Expression?

4. What is JSON?

5. Differentiate GET and POST actions.

6. What is the purpose of JSTL?

7. Define XML schema.

8. What is the use of Cookies in Internet Programming?

9. Define Web Services?

10. Define SOAP.

PART B — (5 × 13 = 65 marks)

11. (a) Illustrate with an example the functionalities of HTTP Request Message and HTTP Response Message.

Or

(b) Illustrate four types of the Selectors in CSS3 with one example each.

12. (a) Explain the all rules that describe the structure of JSON. Describe the steps to fetch JSON data with an example.

Or

(b) Explain JavaScript DOM with an example.

13. (a) (i) Explain the architecture of servlet in detail. (6)

(ii) Describe how sessions are handled in servlets with an example. (7)

Or

(b) Explain the procedure to store, retrieve, delete and update data in the database using servlets for an student registration application consisting of (Name, Register Number, Branch, Age, Gender, DOB)

14. (a) Illustrate the features of the Built–In Functions in PHP?

Or

(b) Illustrate the functions of XML Parsers and Validation methods?

15. (a) Explain AJAX Client Server Architecture with a neat schematic block diagram.

Or

(b) Explain the various operations performed by the WSDL and what is the purpose of the concrete and abstract in WSDL?

PART C — (1 × 15 = 15 marks)

16. (a) (i) Explain five HTMLs Tags and their attributes. (5)

(ii) Discuss how event handling is done in JavaScript with an example. (10)

Or

(b) (i) How to perform XML validation? (5)

(ii) Describe the steps to store and retrieve cookies using PHP. Write the corresponding code segments. (10)