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Question Paper Code : 40456

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2025.

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. State the use of web server logs.
2. How will you create a transitions in the field in a HTML form?
3. What is JavaScript name spacing?
4. Write the syntax to create arrays in JSON.
5. What is the difference between CGI and servlets?
6. What are advantages of using JSP?
7. List the important characteristics of PHP
8. Why is XSLT an important tool for development of web applications?
9. How can you find out that an AJAX request has been completed?
10. Name the two operations defined by WSDL 1.1.

PART B — (5 × 13 = 65 marks)

11. (a) (i) Explain the significance of XHTML with the help of a real time application. Write necessary code snippets. (5)
- (ii) Create HTML documents to obtain the following form elements on web browser screen. (8)

Registration Form

User id: Required and must be of length 5 to 12.

Password: Required and must be of length 7 to 12.

Name: Required and alphabates only.

Address: Optional.

Country: (Please select a country) Required. Must select a country.

ZIP Code: Required. Must be numeric only.

Email: Required. Must be a valid email.

Sex: Male Female Required.

Language: English Non English Required.

About: Optional.

Fig. 11(a)

Or

- (b) (i) Enumerate the types of selectors in CSS and explain with examples. (6)
- (ii) Distinguish between CSS2 and CSS3. What are the uses of an embedded style sheet? (7)

12. (a) Explain JavaScript and document object model (DOM) with example.

Or

(b) How to write function using JavaScript? Explain sub classes and super classes in Javascript with example.

13. (a) List the different phases of Java servlet life Cycle. Illustrate-the different functionalities of servlet container

Or

(b) (i) Differentiate JSP and Servlet. (5)

(ii) Write and explain steps to connect a Java application to the DB with sample program. (8)

14. (a) Name the types of array supported by PHP. Explain with example.

Or

(b) (i) Write a PHP script to sort the following associative array:

array

```
("Sophia"=>"31", "Jacob"=>"41", "William"=>"39", "Ramesh"=>"40")
```

(1) ascending order sort by value

(2) ascending order sort by Key

(3) descending order sorting by Value

(4) descending order sorting by Key (6)

(ii) Create an XML document that marks up various sports and their descriptions. Use XSLT to tabulate neatly the elements and attributes of the document. (7)

15. (a) Differentiate between synchronous and asynchronous Ajax requests. How to send an Ajax request in JavaScript?

Or

(b) What are the Web service features and explain the components of a Web service? How does a Web service Work?

PART C — (1 × 15 = 15 marks)

16. (a) Create a php application for race registration system with the following features.
- (i) Create admin login. (6)
 - (ii) Admin can add the following data and provide the report of those who participated and a separate report for winner's list. (9)

Race registration

Racer data

Name:

Surname:

Date of birth:

Address:

I am: amater
 profesional by section:

phone:

email:

race terms agreement

Or

- (b) (i) Create an XML HttpRequest to retrieve data from an XML file and display the data in an HTML table. The data to be retrieved is a collection of stationary items stored in an XML file. (10)
- (ii) Show the relationship between SOAP, UDDI, WSIL and WSDL. (5)