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Question Paper Code: 1045465

B.E. / B.Tech. DEGREE EXAMINATIONS, NOV/ DEC 2024

Fifth Semester

Computer Science and Engineering

U20CS504 – INTERNET PROGRAMMING

(Regulation 2020)

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions

PART – A

(10 x 2 = 20 Marks)

1. Write the differences between Java data types and variables?
2. Name the concept of exception handling in Java.
3. What are the key features of HTML5?
4. How does CSS3 improve web design compared to previous versions?
5. State the purpose of JavaScript DOM Model.
6. What is the role of the Servlet life cycle in web applications?
7. Specify how to connect a PHP script to a database.
8. What is XML Schema and why is it important?
9. Mention the purpose of XMLHttpRequest in AJAX.
10. How does SOAP facilitate web services?

PART – B

(5 x 16 = 80 Marks)

11. (a) Discuss the concept of multithreading in Java with examples. (16)

(OR)

(b) Explain the usage of interfaces and abstract classes in Java. (16)

12. (a) Describe the differences between the internet and intranet, along with their applications. (16)

(OR)

(b) Illustrate the process of designing a responsive website using HTML5 and CSS3. (16)

13. (a) How does JavaScript handle form validation? Provide an example. (16)

(OR)

(b) What is JSP Standard Tag Libraries (JSTL), and how do they simplify JSP coding? (16)

14. (a) Explain how PHP manages session handling and cookies with suitable examples. (16)

(OR)

(b) What are the key differences between DTD and XML Schema? (16)

15. (a) Discuss the AJAX client-server architecture with examples. (16)

(OR)

(b) Describe the process of creating and consuming a Java web service, including WSDL usage. (16)

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