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Question Paper Code : 50820

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2023.

Fifth/Sixth Semester

Information Technology

IT 8501 — WEB TECHNOLOGY

(Common to Artificial Intelligence and Data Science)

(Regulations 2017)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are markup languages? State two markup languages.
2. Provide basic syntax for displaying heading using XHTML.
3. Where are style sheets used? Mention style rule for cascading.
4. Write code for using box model.
5. How are intrinsic event handled?
6. Mention the properties of window.
7. Specify ways of using Tag libraries.
8. How are web data represented?
9. Sketch the XML HTTP request object-call back method.
10. How are Java objects stored as files?

PART B — (5 × 13 = 65 marks)

11. (a) Explain in detail about HTTP and fundamental HTML elements with neat illustration. (13)

Or

- (b) Write HTML code to display tables and explain the working in detail. (13)

12. (a) With suitable code, explain how cascading style sheets can be inherited.

Or

- (b) Illustrate client side scripting, with an sample javascript, explain the role of function in detail.

13. (a) Define Document Tree. Brief on the use of DOM event handling. Explain in detail using suitable example.

Or

- (b) Define Server Side programming. How are Servlets useful? Illustrate and explain the architecture in detail.

14. (a) Write code using Javabeans classes and JSP. Mention the steps involved in running JSP applications and explain in detail.

Or

- (b) Describe Event oriented parsing. Illustrate SAX — transforming XML documents in detail.

15. (a) Explain the working of AJAX client server architecture with a neat illustrative diagram.

Or

- (b) Define Web services. Write a Java Web service client and explain the working mechanism in detail.

PART C — (1 × 15 = 15 marks)

16. (a) Elaborate generating dynamic content using servlet in detail with necessary illustration.

Or

- (b) Explain how sessions and cookies are managed by servlets and what are the packages required for handling sessions object in servlets?