

**Question Paper Code : 30232**

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

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Fourth Semester

Information Technology

IT 3401 – WEB ESSENTIALS

(Regulations 2021)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List the few client – side scripting languages.
2. What do mean by URL? What are its parts?
3. Write the syntax for creating a numbered list.
4. What are the different types of layout in HTML?
5. Give few operators supported by Java Script.
6. List the different built – in objects available in Java Script.
7. Write the different types of mouse events.
8. What is the purpose of Java script debugger?
9. Compare GET and POST methods.
10. State the purpose of JDBC.

PART B — (5 × 13 = 65 marks)

11. (a) Describe the functionalities of web protocols.

Or

- (b) Explain the working of domain name system in brief.

12. (a) Create a web page for displaying your profile using HTML and apply external style sheet for different HTML elements.

Or

- (b) Create a web page using HTML for a College event using backgrounds text effects, and animations.

13. (a) Explain looping statements supported in Java Script with examples.

Or

- (b) What are exceptions? How exceptions are handled in Java Script?

14. (a) Write a PHP program to access any associative array and display the same.

Or

- (b) Illustrate the process of file uploading in PHP using an example.

15. (a) Draw and explain Servlet life cycle.

Or

- (b) Explain the purpose of session handling in Servlets with an example.

PART C -- (1 × 15 = 15 marks)

16. (a) Create a HTML form to get Name, Age and MobileNo as input using text fields. Write a Java script function to validate whether the entered Name contains only alphabets. Age is between 17 to 21 and MobileNo contains only 10 digits by using regular expression on the click of a "Validate" button.

Or

- (b) Develop a web form which gets Student details such as RegNo., Name, Department, Year and Grade from the user. Write a PHP code to get the form elements using POST method and store the student details in a backend database table.