

**2011000604050001**  
**EXAMINATION FEBRUARY-MARCH 2024**  
**B. SC. (I. T.) (M. SC. (I. T.) 5 YEAR INTEGRATED COURSE)**  
**(FOURTH SEMESTER)**  
**WEB DEVELOPMENT - I - LEVEL 5**

[Time: As Per Schedule]

[Max. Marks: 70]

**Instructions:**

**1. Fill up strictly the following details on your answer book**

- a. Name of the Examination: **B. SC. (I.T) (M. SC. (I. T.) 5 YEAR INTEGRATED COURSE) (FOURTH SEMESTER)**
  - b. Name of the Subject: **WEB DEVELOPMENT – I – LEVEL 5**
  - c. Subject Code No: **2011000604050001**
2. Sketch neat and labelled diagram wherever necessary.
  3. Figures to the right indicate full marks of the question.
  4. All questions are compulsory.

Seat No:

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Student's Signature

**Q.1 Answer the following. (Any 8)**

**16**

1. What is use of XML in development of a Web application?
2. Write a JavaScript code to alert width of window on a click of a button.
3. Write JavaScript code to display browser information?
4. Write use of querySelectorAll() function.
5. Explain the use of "this" keyword with an example.
6. What is the absolute and relative path?
7. Write use of strict mode in JavaScript with example.
8. Explain prompt () with an example.
9. List out at least four features of jQuery.

**Q.2 Answer the following. (Any 3)**

**18**

1. Explain global object in JavaScript with its properties, methods and events.
2. What are different ways to define strings in JavaScript? Explain string methods with examples.
3. List and explain mouse events with example.
4. Write a detail note on XML schema.

**Q.3 Answer the following. (Any 3)**

**18**

1. Draw client-server architecture of web application and explain in detail.
2. Write a note on regular expressions in JavaScript with examples.
3. Discuss in detail on JSON and also list its applications. Create a sample JSON file. How to process JSON data in JavaScript?
4. List and explain jQuery important selectors with examples.

**Q.4 Answer the following. (Any 3)**

**18**

1. Explain localStorage and sessionStorage objects with examples.
2. Explain the use of jQuery AJAX method \$.get() with an example.
3. Explain different ways to create user defined objects in JavaScript.
4. Write a JavaScript code to validate a form for employee registration with name, email and age (23 to 35) fields. Apply necessary criteria.

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