

(i) Printed Pages : 3

Roll No. ....

(ii) Questions : 9

Sub. Code : 

1	0	4	7	1
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Exam. Code : 

5	0	0	2
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Bachelor of Arts (FYUP) 2<sup>nd</sup> Semester  
(2055)

COMPUTER SCIENCE

Paper : Web Development & Designing

Time Allowed : Three Hours]

[Maximum Marks : 65

- Note :—** (1) The question paper will consist of five Sections.  
(2) There are total **nine** questions comprising **two** questions from each Section and one compulsory question of (Section-E) short answer type.  
(3) The students are required to attempt **one** question from each Section and the compulsory question.  
(4) All questions carry equal marks unless specified.

### SECTION—A

1. Explain the structure and purpose of HTML tables and forms. Illustrate with examples showing how user input is collected and organized. 13
2. What are style sheet technologies ? Discuss the advantages of Cascading Style Sheets (CSS) and demonstrate how they can be used to style headings, lists, and frames in a web page. 13

### SECTION—B

3. Write a JavaScript program to demonstrate decision making using if, if-else, and switch statements. Explain with syntax and examples. 13
4. What are programmer-defined functions in JavaScript ? How do recursion and global functions contribute to cleaner code ? Explain with code snippets. 13

### SECTION—C

5. Describe how arrays are declared and used in JavaScript. How can multidimensional arrays be passed to functions ? Illustrate with examples. 13
6. What is the role of the Window and Document objects in JavaScript ? Explain their properties and methods with suitable examples. 13

### SECTION—D

7. Discuss the Forms object in detail. How are text boxes, radio buttons, checkboxes, and select objects implemented using JavaScript ? 13
8. Write notes on the following JavaScript objects with examples :
  - (a) Math Object
  - (b) String Object
  - (c) Date Object

13

## SECTION—E

9. Answer the following briefly :

- (a) What is the role of a web browser in client-server communication ? 2
- (b) Lis any two differences between HTML and CSS. 2
- (c) Define recursion with an example in JavaScript. 3
- (d) What is the purpose of the Document Object in JavaScript ? 2
- (e) Write any two uses of the Math object in JavaScript. 2
- (f) Differentiate between checkboxes and radio buttons. 2