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18CB733

## Seventh Semester B.Tech. Degree Examination, Dec.2023/Jan.2024

### Web and Mobile Application Development

Time: 3 hrs.

Max. Marks: 100

*Note: Answer any FIVE full questions, choosing ONE full question from each module.*

#### Module-1

- 1 a. What is HTML? Explain the structure of HTML document with example. (08 Marks)
- b. Explain the following:
  - i) <p>    ii) <pre>    iii) <img>    iv) <div> (08 Marks)
- c. Write a HTML document to make an ordered list of your five favorite books. (04 Marks)

OR

- 2 a. List and explain different selector of CSS. (10 Marks)
- b. What is CSS? Explain the different levels of CSS with example. (10 Marks)

#### Module-2

- 3 a. Discuss the advantages and disadvantages of client-side scripting. (10 Marks)
- b. Explain the following with example:
  - i) Dom tree    ii) Element node    iii) Text node    iv) Attribute node    v) Document object. (10 Marks)

OR

- 4 a. Write a PHP program to greet the user based on time. (08 Marks)
- b. Explain Javascript events in detail. (08 Marks)
- c. List the web server's responsibilities. (04 Marks)

#### Module-3

- 5 a. Explain different types of caching used to improve performance of web application. (08 Marks)
- b. Explain Javascript pseudo-classes with examples. (08 Marks)
- c. Explain creating and reading cookies with suitable PHP scripts. (04 Marks)

OR

- 6 a. With suitable PHP script, explain loading and processing an XML document in Javascript. (08 Marks)
- b. Explain converting a JSON string to JSON object in Javascript with suitable code segment. (04 Marks)
- c. Define AJAX. Explain AJAX request by writing UML diagram. (08 Marks)

#### Module-4

- 7 a. Outline the android platform architecture diagram. (10 Marks)
- b. Illustrate the android manifest file with suitable example. (10 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.

**OR**

- 8** a. Illustrate the installation process of android SDK. (10 Marks)  
b. Illustrate activity life cycle state in android. (10 Marks)

**Module-5**

- 9** a. Explain anatomy of an android applications. (10 Marks)  
b. Explain about publish the android applications. (10 Marks)

**OR**

- 10** a. Explain the understanding the resource directory hierarchy. (10 Marks)  
b. Explain in detail about testing android applications. (10 Marks)

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