

[Duration: 3hrs]

[Marks: 80]

- N.B. : (1) Question No 1 is Compulsory.
(2) Attempt any three questions out of the remaining five.
(3) All questions carry equal marks.
(4) Assume suitable data, if required and state it clearly.

1. **Attempt any FOUR** [20]
 - a Explain <audio> and <video> controls of HTML5 with appropriate example. [05]
 - b Explain the Document Object Model in detail with an example. [05]
 - c Discuss the advantages of React Js. [05]
 - d Explain the different datatypes of PHP. [05]
 - e What are the characteristics of Rich Internet Application (RIA) [05]
 2.
 - a Explain the working of rowspan and colspan of table when used in HTML with suitable example. [10]
 - b Write a short note on JDBC [10]
 3.
 - a What is mean by Event handling in JavaScript explain it with example. [10]
 - b Write a short note on JSP. [10]
 4.
 - a Explain how Shadow effect can be applied on Text using CSS with suitable example. [10]
 - b Draw a diagram of Ajax application model and Traditional application web model and compare them. [10]
 5.
 - a Write a JavaScript code to accept a name and password from user and validate the data as follows:- [10]
 - Name should not be empty
 - Password should not be less than 6 characters
 - b What are the features of React JS and write a code for "Hello World" using React JS. [10]
 6.
 - a Explain the structure of XML Document with an example. [10]
 - b Explain the Servlet Life cycle with neat diagram. [10]
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