

B.Sc. (Data Science) NEP Semester-III
BSCDS031 - Web Application Development

P. Pages : 2

Time : Three Hours



GUG/S/25/16144

Max. Marks : 80

1. a) Explain the difference between Javascript and JQuery. 8
b) Describe JSON server. 8

OR

- c) Give the detail comparison of JSON and XML. 8
d) Explain JQuery selectors. 8
2. a) Mentioned data types in PHP with an example. 8
b) Write exceptions used in PHP with an example. 8

OR

- c) Give the details about the operators used in PHP. 8
d) Explain with an example break and continue statement. 8
3. a) Mentioned the comparison of DOM and Virtual DOM. 8
b) Explain the following term – 8
i) useState ii) useEffect
iii) useContext iv) useRef

OR

- c) Give the detail about react life cycles. 8
d) Write down note on “DOM Concept”. 8
4. a) Explain different applications of Node JS. 8
b) Write down the steps for creating database and tables in Nodejs MySQL. 8

OR

- c) Give the detail the following – **8**
- i) Http module ii) file system module
 - iii) URL module iv) Events module in Nodejs
- d) Write down note on “selection filters”. **8**
- 5.** a) Give the brief about – **4**
- i) JSON parse()
 - ii) stringify()
- b) Explain array also explain the operations performed on array. **4**
- c) What do you mean by “React JSX”. Explain? **4**
- d) Note on “CRUD in MongoDB”. **4**
