1T01235 - T.E.(Information Technology Engineering)(SEM-V)(Choice Base Credit Grading System)
(R- 19) (C Scheme) / 32421 - Internet Programming

QP CODE: 10038594   DATE: 22/11/2023

Time : (3 Hours)   **(Total Marks: 80)**

N.B.: **1. Question No.1 is compulsory.**
   2. Answer any three out of remaining questions.
   3. Assume suitable data if necessary.
   4. Figures to the right indicate full marks.

Q1.   a) Explain features of React JS. Write a stepwise process to create an APP using React JS
   to print "Hello World" on browser.   **(10)**

   b) What is REST API? What are the principles of REST API.   **(10)**

Q2.   a) Explain different types of components in React JS with an example.   **(10)**

   b) What are Buffers and Streams in Node JS? Explain with an example.   **(10)**

Q3.   a) Explain Hooks in React JS.   **(10)**
   b) What is DNS? Explain working of DNS.   **(10)**

Q4.   a) Write a Node JS program for following: **(10)**
   i. Create a new file and add data into it.
   ii. Append more data in the same file at the end of existing data.
   iii. Read the file data without getting the buffer data.
   iv. Rename the file.
   v. Delete the file.
   b) Explain promises with an example.   **(10)**

Q5.   a) Explain routing in Express JS along with an example.   **(10)**
   b) Differentiate between ES5 and ES6.   **(10)**

Q6.   Short note on: **(Any 4)**   **(20)**
   a) REPL
   b) Arrow Function
   c) JSX
   d) JSON
   e) HTML vs. XML

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