1T01235 - T.E.(Information Technology Engineering)(SEM-V)(Choice Base Credit Grading System) (R- 19) (C Scheme) / 32421 - Internet Programming   QP CODE: 10026418
DATE: 23/05/2023

(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) i) How to declared variables in ES6?	**(5)**
	ii) Differentiate between ES5 and ES6.	**(5)**
	b) Explain React component life cycle.	**(10)**
Q2.	a) Explain Flux architecture in detail.	**(10)**
	b) Explain Promises in ES6 with an example.	**(10)**
Q3.	a) Explain File System of NodeJs in detail.	**(10)**
	b) Write a stepwise process to create an APP using ReactJS to print "Hello World".	(10)
Q4.	a) What is ExpressJS. Explain features of ExpressJS.	**(10)**
	b) What is DNS? Explain working of DNS.	**(10)**
Q5.	a) What is REST API? What are the principles of REST API.	**(10)**
	b) What is Web Browser. Discuss working of Web Browser in detail.	**(10)**
Q6.	Short note on: **(Any 4)**	**(20)**

a)   JSON
b)   NPM
c)   JSX
d)   Difference between let and const keyword
e)   Arrow function in ES6

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