

(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
