

(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.**

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| 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 | |
