

(Time: 3 Hours)

(Total Marks: 80) (3)

- 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 difference between XML and JSON. (10)
 - b) What is REST API? What are the principles of REST API? (10)
- Q2.**
- a) Explain Async/await with an example. (10)
 - b) What is promise? Explain with an example. (10)
- Q3.**
- a) Explain useState and useEffect with an example. (10)
 - b) Write a program to create a class component in react. (10)
- Q4.**
- a) Write a program in nodejs to read from a file. (10)
 - b) What is Nodejs? Give advantages and disadvantages of Nodejs. (10)
- Q5.**
- a) Explain express router with an example. (10)
 - b) Write a program in express to print "hello world" in browser. (10)
- Q6.** Short note on: (Any 4) (20)
- a) TLS
 - b) Event loop
 - c) JSX
 - d) NPM
 - e) HTTP
