

(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
