(Time: 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**	Differentiate between HTTP and HTTPS protocols	**5**
	b	Differentiate between ES5 and ES6	**5**
	c	Write the steps to create a React project and explain the folder structure of a React project?	**5**
	d	What are the features of Nodejs?	**5**
Q2	**a**	Explain Promise in JavaScript with an example.	**10**
	b	Explain useState Hook with an example	**10**
Q3	**a**	Write a JavaScript program to define a class, create an object from it, and call a method using that object	**10**
	b	Explain the React Component Lifecycle	**10**
Q4	**a**	Explain the Model-View-Controller (MVC) framework in React.	**10**
	b	Explain the Fetch API in JavaScript with an example	**10**
Q5	**a**	Explain the Node.js net module and write a program to create a simple server	**10**
	b	Explain REST API and its principles	**10**
Q6	**a**	Explain Async await in Javascript.	**10**
	b	Write React code for a function-based App component to display 'Hello World'	**10**

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