(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) Explain REST API in detail. b) Compare XML and JSON. (10)	
Q2.	a) Explain React component life cycle.	(10)
	b) What are Buffers and Streams in NodeJs? Explain with an example.	(10)
Q3.	a) Explain asynchronous programming in detail.	(10)
	b) What is DNS? Explain working of DNS.	(10)
Q4.	a) What is NodeJS? Explain features of NodeJS. State different types of NodeJS Modules.	(10)
	b) Explain Arrow function in ES6 with an example.	(10)
Q5.	a) What are Refs? When to use Refs and when not to use Refs?	(10)
	b) Explain routing in ExpressJS along with an example.	(10)
Q6.	Short note on: (Any 4)	(20)
	a) REPL	

DOM JSX URL