

Reg. No.														
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Question Paper Code	
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**ST. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY AVADI, CHENNAI 600 054**

## **BE - DEGREE EXAMINATIONS, NOV/DEC 2022**

Fifth Semester

### **COMPUTER SCIENCE**

### **CS8592 - OBJECT ORIENTED ANALYSIS AND DESIGN**

(Regulations 2017)

**(Codes/Tables/Charts to be permitted, if any may be indicated -----)**

Duration: 3 Hours

Max. Marks 100

Answer ALL Questions

NO.	PART-A (10 X 2 = 20 Marks)	K-Level	CO
43	What is the role of the spread operator in JavaScript?	4	4
13	How to create a RESTful API using Node.js?	1	3
1	What is JavaScript?	3	2
16	How to handle exceptions in JavaScript?	3	2
11	How to handle forms in React?	4	1
29	How to perform asynchronous operations in JavaScript?	4	4
19	What are the benefits of using arrow functions in JavaScript?	4	4
5	Explain the concept of closures in programming.	3	5
40	What is the role of GraphQL in modern web development?	3	1
38	How to implement dark mode in a React application?	1	2

NO.		PART – B ( 5 X 13 = 65 marks)	K-Level	CO
23	a)	How to make an HTTP request in JavaScript?	4	4
		(or)		

NO.		PART – B ( 5 X 13 = 65 marks)	K-Level	CO
18	b)	What are arrow functions in JavaScript?	2	2
11	a)	Explain the difference between synchronous and asynchronous programming.	4	5
		(or)		
48	b)	What is the role of the useEffect hook in React?	2	2
42	a)	What is the purpose of the useEffect hook in React?	1	3
		(or)		
45	b)	What is the purpose of the fetch API in JavaScript?	2	5
36	a)	What is the significance of the useState hook in React?	3	1
		(or)		
3	b)	How does scoping work in JavaScript?	1	3
21	a)	How to manage state in a functional component in React?	2	1
		(or)		
50	b)	Explain the concept of middleware in Express.js.	1	1

NO.		PART – B ( 5 X 13 = 65 marks)	K-Level	CO
16	a)	Explain the concept of async/await in JavaScript.	4	1
		(or)		
9	b)	What is closure in JavaScript?	3	3

Distribution of COs (Percentage wise)						
Evaluation	C01	C02	C03	C04	C05	C06
Marks	45	30	30	30	45	-
%	25%	25%	25%	25%	25%	-

**Note:** Including the Choice, the Total Marks will be 180. Each CO must cover around 30 marks or 16.67%.