	SUMMER-2023		
	Exam Seat No.:		
	Academic Year:2022-2023	Semester:II	
	Name of Programme: MCA	Pattern:2022	
	Name of Course: Advanced Web Technology	Course Code:MCA222004	
	Max. Marks:60	Duration:2.30	

Instructions: Candidates should read carefully the instructions printed on the Question Paper
and on the cover page of the Answer Book, which is provided for their use.
1. This question paper contains 2 page(s).
2. Answer to each new question is to be started on a new page.
3. Assume suitable data wherever required, but justify it.
4. Draw the neat labelled diagrams, wherever necessary.
5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question

Question No. 1 Attempt following Question

1   Explain Set Object with Set properties and set Method.   (6)   CO1

Question No. 2 Attempt following Question

2   Explain Node.js Process Model? How it is famous from traditional web server model explain with two features.   (6)   CO2

Question No. 3 Attempt following Question

3.a)   Write a definition of nodemon and how to use nodemon with node.js express.   (6)   CO3

OR

3.b)	Discuss REST API and explain its methods with example.	(6)	CO3
3.c)	Explain HTTP GET and HTTP POST request with example.	(6)	CO3

OR

3.d)	Develop a simple server in express.js with installation steps.	(6)	CO3
3.e)	Write the core features of express.js.	(4)	CO3

OR

3.f)	Showcase the difference between HTTP DLELETE and HTTP PUT.	(4)	CO3

Question No. 4 Attempt following Question

4.a)	Illustrate the use of Form in React.js with definition and suitable example.	(6)	CO4

OR

4.b)	Discuss the container and types of container in react.js?	(6)	CO4
4.c)	Identify the difference between props and state in react.js?	(6)	CO4

OR

4.d)	Illustrate the functional component and class component with suitable example?	(6)	CO4
4.e)	Showcase the difference between component and container.	(4)	CO4

OR

4.f)	Build a basic react React App that displays Hello World with installation steps.	(4)	CO4

Question No. 5 Attempt following Question

5.a)	Can you write any 6 Mongodb commands with example? Justify your answer.	(6)	CO5

OR

5.b)	Explain Firebase Read and Write Data with example?	(6)	CO5
5.c)	Enlist CRUD operation in MongoDB with example?	(6)	CO5

OR

5.d)	Illustrate the types of Query Data in Firebase with suitable example?	(6)	CO5
5.e)	Discuss the data types of Mongodb?	(4)	CO5

OR

5.f)	Can you explain Features of Firebase?	(4)	CO5