Seat No.:	Enrolment No.

CHIADAT TECHNOLOGICAL LINIVEDSITY

		BE - SEMESTER-VI (NEW) EXAMINATION – SUMMER 2023	
Subi		Code:3161611 Date:14-07-20	23
•		Name:Advanced Web Programming	
•		:30 AM TO 01:00 PM Total Marks:	70
Instru			
	1.	Attempt all questions.	
	2. 3.	Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
	3. 4.	Simple and non-programmable scientific calculators are allowed.	
			MARKS
Q.1	(a)	Define CSS. Enlist the benefits of it.	03
	(b)	Explain CSS types with suitable examples.	04
	(c)	i) List and discuss the advantages of JavaScript.	03
		ii) Explain JavaScript inbuilt objects in brief.	04
Q.2	(a)	Write a note on Features of Angular JS.	03
	(b)	Define MVC. How it is implemented in an Angular JS application? Explain with suitable example.	04
	(c)	Create a webpage using Angular JS that displays details of students' objects (such as Enrollment No., Name, Semester, Branch, Mobile Number, Email Address, Address etc.) in a tabular format with appropriate CSS effects.	07
		OR	
	(c)	No., Name, Semester, Branch, Mobile Number, Email, Address etc. from the student, combine and display them on the page when button is clicked also validate an Email address using Javascript.	07
Q.3	(a)		03
	(b)	6	04
	(c)	i) ng-bind ii) ng-init iii) ng-model iv) ng-checked Write Angular JS code to create a custom filter that will capitalize vowel	07
	(C)	characters of a string and the remaining characters must be in lowercase. Also write code to that will read a file SampleText.txt and apply the filter effect on the content of the file.	07
		OR	
Q.3	(a)	Write a Node JS code to print a list of files present in the current directory.	03
	(b)	Enlist and explain the features of Node JS.	04
	(c)	Create a HTML form using bootstrap controls that will accept Employee_ID, Name, Department, Mobile Number, Email_Address from the employee, combine and display them on the page when button is clicked also validate an Email_Address using Javascript.	07
Q.4	(a)		03
	(b)	1	04
	(c)	Explain the use of following Input field states. i) \$untouched ii) \$touched iii) \$pristine iv) \$dirty v) \$valid vi) \$invalid OR	07

Q.4	(a)	Define REST Architecture in Node JS.	03
	(b)	Define Node Package Manager (NPM). Explain the process of installing, upgrading and uninstalling module using NPM.	04
	(c)	Write a Node JS code to create a server that will write a log of visited pages in a log.txt file.	07
Q.5	(a)	Explain an event-loop in Node JS.	03
	(b)	Explain piping and chaining of streams with suitable example.	04
	(c)	Write code to perform update and delete operations on Employee database using Node JS and MongoDB.	07
		OR	
Q.5	(a)	Explain in detail the Network module in Node JS.	03
	(b)	Explain error-first callback in detail.	04
	(c)	Write Node JS programs for database connectivity with MongoDB including insert operation in MySQL database.	07
