

## IV/IV B. Tech (Regular) DEGREE EXAMINATION

January, 2022

Seventh Semester

Computer Science and Engineering

Time: Three Hours		Full Stack Development	
Ai	aswer Question No.1 compulsorily.	Maximum: 50	Married States
Swel ONE augstion from and		(1X10 = 10)	
	an questions	(4X10=40 Marks)	
a	Define Node is and where can we use Node Ico	(1X10=10 Marks)	
b	The the purpose of listen method in Node Is application		
C	the the parameters of Express middleware callback function?		
d	Write differences between res.wrtie() and res.send() method in Node.Js.	ax.	
е	What is NoSQL?		
f	Write the syntax of MongoDB URI to be used in Node.Js.		
g	Write comparison between TypeScript and JavaScript.		
h	What are the commands used to create and build an Angular application?		
i	Name any two properties of @Component decorator and their types.		
j	Write the difference between < router-outlet> and routerLink in Angular.		
	UNIT – I		
2.8			131
2.1	Explain the steps involved in implementing CET and DOST and a land in No.	You do not have been stated	4 M
	Explain the steps involved in implementing GET and POST methods in Node. example code.	Is web application with	6 M
3.8	(OR)	1	*24
3.1	i of the contract of the of the contract of th		5 M
5.0	What is template engine? Code an Express.Js application using template-engine	to display data.	5 M
	UNIT - II		
4.a	Define Cookies? How to send and receive cookies in express? Explain with exa	imple code.	5 M
4.b			5 M
	documents.		
	(OR)		
5.a	How to implement session authentication in Node.Js, Explain with code.		5 M
5.b	List any five collection operations in MongoDB? Explain with code for each.		5 M
5.0	Dist any five concentration operations in visingos so suprati visa concentrations		
	UNIT-III		
6.a	Explain different data types in TypeScript. Design a Bank Account appli	cation using class and	5 M
	interface in TypeScript.		
6.b	Draw the Angular Architecture. Explain each building block for implementing	Angular application.	5 M
0.0			
	(OR)		
7.a	Define a component. Explain the complete configuration of a component with	example.	5 M
7.b	Explain the Folder structure and the role of each file in an Angular application		5 M
1.0			
	UNIT-IV		
00	List different built-in directives in Angular. Explain different structural directi	ves with code.	5 M
8.a	1- Carriage? Why @Injectable() decorator is recommended to	r implementing Angular	5 M
8.b	What are Angular Services: Why Carlot of a service with code.  Service application, Explain the creation of a service with code.		
	(OR)		0.84
00	Illustrate the use of EventEmitter for implementing custom events in Angular with code	ar with code.	SM
9.a	Illustrate the use of Eventrameter for appearance in Angular with code.  Explain how to implement a router with parameters in Angular with code.		5 M
9.b	EXhiam no., to m.t.		