Total No. of Questions: 8]	200	SEAT No.:
P491	[6003]-712	[Total No. of Pages : 2
	T.E.O.T.	

WEB APPLICATION DEVELOPMENT (2019 Pattern) (Semester -II) (414464A)

	(201) I attern) (Schiester -11) (414404A)	
Time :21/2	Hours] [Max. Marks.	: 70
Instructio	ons to the candidates:	
<i>1</i>)	Answer four questions.	
2)	Figures to right indicate full marks.	
<i>3</i>)	Assume suitable data, if necessary.	
<i>4</i>)	Neat diagram must be drawn wherever necessary.	
Q1) a)	Explain MVC architecture with a suitable diagram.	[6]
b)	List and explain different types of structural directives in Angular.	[6]
(c)	What way would you design simple application in typescript	to
	demonstrate the use of modules?	[6]
	ORO) Si	
Q2) a)	List and explain the features of any three popular web frameworks.	[6]
b)	How would you use the term typescript? Give the advantages	and
- /	disadvantages of using it?	[6]
c)	Explain any 2 Hooks in React JS with example.	[6] ₀
C)	Explain any 2 Hooks in React 35 with example.	[A]
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Q3) a)	Write and explain a simple application using REST HTTP Method	API
~ / /	in node JS.	[6]
b)		
b)	Explain how to perform CRUD operations in a Node JS application	
	Provide examples of CRUD implementation.	[6]
c)	Write a short note on PM2 microservices.	[5]
	OR OF	
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Q4) a)	What is template engine? How to create and use it using Express.JS?	<u>[6]</u>
b)	List and explain the features of advanced Mongo DB.	[6]
c)	Explain the role of NPM (Node Package Manager) in Node	e.js
	development.	[5]
	9.	

Q5)	a)	What is jQuery Mobile? Explain Mobile jQuery framework in detail	<mark>l.</mark> [6]
	b)	Explain the mobile devices and desktop devices in detail?	[6]
	c)	Write a code to create a header and footer in jQuery Mobile.	[6]
		OR	
Q6)	a)	Explain any 3 events in jQuery Mobile with example?	[6]
	b)	Compare jQuery with jQuery Mobile.	[6]
	c)	Explain the concept of Mobile-First design in web development. Ex	_
		its significance and benefits in creating responsive and user-friewebsites.	endly [6]
07)	a)	Explain the features and benefits of AWS Cloud.	
<i>Q7</i>)			[6]
	b)	What is \$3 bucket and how to create a bucket?	[6]
	c)	Explain the different components of VPC?	[5]
		ORKO	
Q 8)	a) \	What is PuTTY? How to connect EC2 instance with PuTTY?	[6]
	b)	Explain the process of deploying a website or web application on AW	<mark>/S.</mark> [6]
	c)	What is Elastic Load Balancer and explain its working.	[5]
		What is Elastic Load Balancer and explain its working.	S. S
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