Total No	o. of Questions : 8] SEAT No. :	
P827	[5870]-1150 [Total No. of Pages	<b>5</b> :2
	T.E. (I.T.)	
	WEBAPPLICATION DEVELOPMENT	
	(2019 Pattern) (Semester - II) (414464A)	
Time: 2	1/2 Hours] [Max. Marks.	: 70
	ions to the candidates:	
1) 2)	Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.  Neat diagrams must be drawn wherever necessary.	
<i>3)</i>	Figures to the right indicate full marks.	
4)	Assume suitable data, if necessary.	
<b>Q1)</b> a)	What is MVC? Explain MVC architecture in detail.	[6]
b)	Explain event binding and property binding in angular with example.	[6]
c)		[6]
,	OR OR	
<b>Q2)</b> a)	What is TypeScript? List advantages & disadvantages of using it.	[6]
b)	What is Pipe? Explain with example.	[6]
c)	Explain Redux - Architecture in detail.	[6]
		, C'
<b>Q3)</b> a)	Explain ExpressJS as middleware with example.	[5]
b)	What is NoSQL? Explain different features of MongoDB.	[6]
	9.	
c)	Explain canoacks in roders with suitable example.	[6]
	OR OR	
<b>Q4)</b> a)	Explain concept of routes in express with example.	[5]
b)	Write code to create collection, insert data & delete data in Mongol	DB
	using NodeJS.	[6]
c)	Explain NodeJS events with example.	[6]
	De.	
	Ø. <sup>V</sup>	
	P.T.	<i>O</i> .

<b>Q</b> 5)	a)	What is Mobile-First and Mobile Web? List different Mobile Dev	ices.[6]
	b)	What is jQuery Mobile? Explain Mobile jQuery Framework in de	etail. <b>[6]</b>
	c)	Explain any 3 events in jQuery Mobile with example?	[6]
		OR	
<b>Q6</b> )	a)	Compare jQuery with jQuery Mobile.	[6]
	b)	What is jQuery Mobile? What are the advantages and disadvant jQuery Mobile?	ages of [6]
	c)	Write a code to create a header and footer in jQuery Mobile.	[6]
<b>Q</b> 7)	a)	Explain in detail types of Elastic Load Balancer.	[6]
	b)	What are the different components of VPC?	[5]
	c)	What is elastic beanstalk and enlist the advantages of using it?	[6]
		OR OS. P.	
Q8)	a)	Explain any three AWS Storage services.	[6]
	b)	What is Elastic Load Balancer and explain its working.	[5]
	c)	What is AWS cloud? List different services provided by it.	[6]
		Participation of the participa	S. S
		83. S.	
			þ
		CY 3°	