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		Fifth Semester B.E. Semester End Examination, Dec./	Jan.	2019-	20	
Tin	ne: 3	Hours	. 1	Max. M	arks:	100
		Instructions: 1. Answer one full question from each unit 2. Draw the diagrams wherever necessary.			America	
		UNIT - I	\mathbf{L}	CO	PO	M
	a.	List out difference between frames and hidden frames	(1)	(1)	(1)	(04)
	b.	Explain HTTP responses along with status codes	(2)	(1)	(1)	(06)
	C.	Write a short note on i)Google Suggest ii)Gmail iii)Google Maps iv) Yahoo News v) Bitflu	ix Blog (2)	g (1)	(1)	(10)
		OR				
2	a.	List and Explain any six principles of Ajax.	(2)	(1)	(1)	(06)
	b.	Describe with the diagram the advantages and disadvantages of XHR.	(2)	(1)	(1)	(04)
	0	Define Design patterns. Explain predictive fetch pattern and submission th	(2) rottlin	(1) g patter	(1) n.	(04)
- M2191	C.	Define Design patterns. Explain predictive feten pattern and successed as	(2)	(1)	(1)	(10)
		UNIT - II	L	CO	PO	\mathbf{M}
3	a.	List the benefits of full stack development.	(1)	(1)	(1)	(05)
,	b.	Explain with the diagram one-way data binding and two-way data binding	(2)	(1)	(1)	(10)
	c.	Write a short note on hardware architecture for MEAN stack development	(3)	(1)	(1)	(05)
		OR				
	a.	Compare relational databases and document databases.	(2)	(1)	(1)	(05)
	b.	Explain with the diagram MEAN stack architecture. Also explain the pur MEAN stack.	(2)	(1)	(1)	(10)
	c.	List and explain rapid prototype development stages of MEAN stack archi				
			(2)	(1)	(1)	(05)
		UNIT - III	: L	CO	PO	M
5	a.	Explain request response flow of MVC architecture.	(2)	(1)	(1)	(05)
715	b.	The add_review page must contain a form with name, rating and review fill in and submit for a particular location. The appropriate error handling for the submission of the form. Write the code for add_review.jade and making approach lawouts for the same	fields mech	which anism n	the use	er will added
	4017	desktop and mobile screen layouts for the same.	(5)	(2)	(3)	(10)
	c.	Explain how you test routes and controllers.	(2)	(1)	(1)	(05)
THE PARTY	100		()	()	` '	, ,

OR

6	a.	Illustrate defining of package.json file.				
			(4)	(1)	(1)	(05)
	b.	Explain the steps involved in pushing the site live using Git.				
			(2)	(1)	(1)	(05)
	c.	Write the code for complete database connection file using mongoose	•			
			(3)	(2)	(3)	(10)
		UNIT - IV	L.	CO	PO	M
7	a.	Differentiate between good API and bad API and List down the various			No.	1 2
			(2)	(3)	(1)	(10)
	b.	Explain DELETE method to remove data from MongoDB.	(0)		2	(4.0)
			(2)	(3)	(1)	(10)
		OR		J. Y.		
8	a.	Define REST API and its rules. Explain how REST API processes HTT	/100 Entition		(4)	(0.5)
		To the transfer of the Manager of th	(2)	(3)	(1)	(05)
	b.	Explain how to update an existing subdocument in MongoDB	(2)	(2)	(1)	(05)
		Familia	(2)	(3)	(1)	(03)
	c.	Explaini) Validating at the application level with NODE and Express				
		ii) Validating with browser with jQuery				
		ii) vailating viii oronoti mary	(2)	(03)	(1)	(10)
		UNIT -V	L	CO	PO	M
9	a.	Describe how to add angular to Express application				
			(2)	(1)	(1)	(05)
	b.	Write a short note on one-way password encryption using hashes and sa	lts.			
			(2)	(1)	(1)	(05)
	c.	Explain the Full MEAN stack approach for authentication				
			(2)	(3)	(1)	(10)
		OR				
10	a.	Explain how to make HTTP requests from angular to an API				
			(2)	(3)	(1)	(10)
	b.	Elaborate on how do you improve browser performance		/45	(4)	(4.0)
		the state of the s	(2)	(1)	(1)	(10)

US	N				16 CS 5	551
		Fifth Semester B.E. Makeup Examination, Januar	y 202	0		
		ADVANCED WEB PROGRAMMING				
Ti	me:	3 Hours		Max.	Marks:	100
		Instructions: 1. Answer one full question from each un	it.			
		2. Draw the diagrams wherever necessary			4	1
		UNIT - I	L	СО	PO	M
1	a.	Compare classic Web Application model with Ajax web application model				141
			(02)	(01)	(01)	(05)
	b.	Write the code to retrieve customer information by receiving customer I Ajax using XHR GET method.	D as ir	nput wi	th the h	elp of
	c.	Explain the Ajax Fallback patterns	(03)	(02)	(03)	(10)
	٠.	Explain the Fijax Fanoack patterns	(02)	(01)	(01)	(05)
		OR	(02)	(01)	(01)	(03)
		and approves their registration. The notification related to registration is 24 hours. The login to the system is possible only when the registration design pattern that must be used to develop the system and write the code	is suc	cessful.	Mentio	on the (10)
	b.	Explain how do you handle multiple browser implementations in Ajax wi			(05)	(10)
	c.	Write a note on cache control	(02)	(01)	(01)	(05)
			(02)	(01)	(01)	(05)
		UNIT – II	L	CO	PO	M
3	a.	Write a short note on Supporting cast for MEAN stack application develop	pment.			
	1.		(03)	(01)	(01)	(05)
	b.	Explain the need for the planning of MEAN stack application. Also describe Loc8r Application	ibe the	screens	s requir	ed for
		the Local Application	(02)	(01)	(01)	(0.5)
	c.	What is the difference between development hardware and production	(02)	(01)	(01)	(05)
		i) An application with low amount of traffic	II IIaic	iwaie:	Recom	mena
		ii) For platform as a service				
		iii) Growing traffic	:			
		iv) Overloading traffic or thousands of requests per second	i			
			(05)	(01)	(03)	(10)
		OR				
4	a.	Recommend suitable MEAN stack architecture for blog application. The interfaces one for blog entries and another for admin interface. Who consider conflicting architecture requirements of both the interfaces i.e.	ile de	signing	archite	ecture

Describe the steps in designing the Loc8r application with appropriate diagrams

(01)

(03)

interfaces.

		UNIT - III	L	CO	PO	M
5	a.	Explain the key interactions and processes that Express goes through whe for the default landing page.	en respo	onding	to the re	
			(02)	(01)	(01)	(10)
	b	Explain Bootstrap's responsive grid system with appropriate diagram				
	c.	Design the managed scheme for Details and of 1 1 1 11	(02)	(01)	(01)	(05)
	C.	Design the mongoose schema for Details page of loca8r application with	_			
			(03)	(02)	(03)	(05)
		OR			Ann	1 3
6	a.	Explain how do you import bootstrap for responsive layouts				
			(02)	(01)	(01)	(10)
	b.	What is mongoose? Explain how mongoose models the data.		Washington, and the second	Manuel	
			(02)	(01)	(01)	(05)
	c.	Explain how a relational database and document database store repeating			lating t	o a
		parent element.	40-	Y	8	
			(02)	(01)	(01)	(05)
		UNIT - IV	T.	CO	PO	M
7	a.	Explain the request methods of REST API) 2	CO	10	171
			(02)	(02)	(01)	(05)
	b.	Illustrate creation of	(02)	(03)	(01)	(05)
	٥.	i) New Document in MongoDB.				
		ii) Subdocument in MongoDB.				
		n) Subdocument in Wongobb.	(02)	(02)	(01)	(10)
	c.	Explain the validation at the schema level with mongoose.	(02)	(03)	(01)	(10)
	0.	Explain the validation at the schema level with mongoose.	(02)	(02)	(0.1)	(0.5)
			(02)	(03)	(01)	(05)
0		OR				
8	a.	Explain how to find out a single subdocument based on IDs using GET n	nethod.			
	1		(02)	(03)	(01)	(05)
	b.	Explain how to pass the data from API to the view				
-			(02)	(03)	(01)	(05)
	C.	Describe how to catch errors returned from API				
			(02)	(03)	(01)	(10)
		UNIT -V	\mathbf{T}	CO	PO	M
9	a.	With diagram explain three different request loops associated with app express routing to Angular routing.	roaches			
			(02)	(01)	(01)	(10)
	b.	Explain traditional server based application approach for authentication	(02)	(01)	(01)	(10)
		approach for authentication	(02)	(01)	(01)	(10)
			(02)	(01)	(01)	(10)
10	0	OR .				
10	a.	Write a short note \$scope.\$apply().				
			(02)	(01)	(01)	(05)
	b. *	How to ensure that forms works as expected?	1			
			(02)	(01)	(01)	(05)
	c.	Explain the steps involved in removing the reliance on server side applica-			8 8	
			(02)	(01)	(01)	(10)

USN			16	CS5	51
Time: 3	Fifth Semester B.E. Semester End Examination, Dec.		2019-2 1ax. Ma		00
ngonamining da		4	14x. 1v12	11 KS: 1	.00
	Instructions: 1. Answer one full question from each unit 2. Draw the diagrams wherever necessary.	•		A. A	
	UNIT - I	L	CO 🗡	PO	M
La La Marija.	List out difference between frames and hidden frames	(4)	CARROLL STATES	2	(0 t)
b.	Explain HTTP responses along with status codes	(1)	(1)	(1)	(04)
С.	Write a short note on	(2)	(1)	(1)	(06)
	i)Google Suggest ii)Gmail iii)Google Maps iv) Yahoo News v) Bitflu	ıx Blog			
		(2)	(1)	(1)	(10)
	OR				
2 a.	List and Explain any six principles of Ajax.	(2)	(1)	(1)	(06)
b.	Describe with the diagram the advantages and disadvantages of XHR.	(2)	(1)	(1)	(06)
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c.	Define Design patterns. Explain predictive fetch pattern and submission th	rottling	pattern		
Principal States		(2)	(1)	(1)	(10)
2	UNIT - II	L	CO	PO	M
3 a.	List the benefits of full stack development.	(1)	(1)	(1)	(05)
b.	Explain with the diagram one-way data binding and two-way data binding.	` /	(1)	(1)	(03)
		(2)	(1)	(1)	(10)
c.	Write a short note on hardware architecture for MEAN stack development.				
		(3)	(1)	(1)	(05)
	OR				
a.	Compare relational databases and document databases.	(2)	(1)	(1)	(05)
b.	Explain with the diagram MEAN stack architecture. Also explain the purp				
	MEAN stack.			•	05
		(2)	(1)	(1)	(10)
c.	List and explain rapid prototype development stages of MEAN stack archi			(1)	(05)
	UNIT - III	(2) L	(1) CO	(1) PO	(05) M
5 a.	Explain request response flow of MVC architecture.	L	20	10	141
		(2)	(1)	(1)	(05)
b.	The <i>add_review</i> page must contain a form with name, rating and review fill in and submit for a particular location. The appropriate error handling for the submission of the form. Write the code for add_review.jade at desktop and mobile screen layouts for the same.	mechan	which that	ne user ist be a	will wilded

Explain how you test routes and controllers.

(10)

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(5)

(2)

OR

		SK.				
6	a.	Illustrate defining of package.json file.				
	b.	Explain the steps involved in pushing the site live using Git.	(4)	(1)	(1)	(05)
	c.	Write the code for complete database connection file using mongoose	(2)	(1)	(1)	(05)
			(3)	(2)	(3)	(10)
-		UNIT - IV	L.	CO	PO	M
7	a.	Differentiate between good API and bad API and List down the various I	HTTP st	atus co	des. 🚣	and the
	b.	Explain DELETE method to remove data from MongoDB.	(2)	(3)	(1)	(10)
			(2)	(3)	(1)	(10)
		OR		1		
8	a.	Define REST API and its rules. Explain how REST API processes HTTP	request	s.		
	L	E1-i-1	(2)	(3)	(1)	(05)
	b.	Explain how to update an existing subdocument in MongoDB				
	c.	Explain	(2)	(3)	(1)	(05)
		 i) Validating at the application level with NODE and Express ii) Validating with browser with jQuery 				•
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9	0	UNIT -V	L	CO	PO	M
9	a.	Describe how to add angular to Express application	2=5			
	b.	Write a short note on one-way password encryption using hashes and salt	(2)	(1)	(1)	(05)
		a short note on one-way password energyption using hasnes and sait		(1)	(1)	(05)
	c.	Explain the Full MEAN stack approach for authentication	(2)	(1)	(1)	(05)
			(2)	(3)	(1)	(10)
		OR	(-)	(-)	(-)	(20)
10	a.	Explain how to make HTTP requests from angular to an API				
	a ba		(2)	(3)	(1)	(10)
	b.	Elaborate on how do you improve browser performance	N. Committee			` '
			(2)	(1)	(1)	(10)
						_