2)						
•)	(4 ₎			1	6CS5	51
	(4) (0)	Fifth Semester B.E. Makeup Examination, Janu	ary 202	: O		
n. (s	į.	ADVANCED WEB PROGRAMMING e: 3 Hours		Max. M	larks:	100
(5)	(2	Instructions: 1. Answer one full question from each to 2. Draw the diagrams wherever necessary	ınit. ry.		4	
(5)	Ú	UNIT - I	L	co	PO	M
5)	(2)	 Compare classic Web Application model with Ajax web application mo 	del (02)	(01)	(01)	(05)
, ((2)	b. Write the code to retrieve customer information by receiving customer Ajax using XHR GET method.	(03)	(02)	(03)	(10)
		e. Explain the Ajax Fallback patterns	(02)	(01)	(01)	(05)
		Consider a system where a user registers himself/herself with an information. There is another user called administrator who verifies the 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 cod Explain how do you handle multiple browser implementations in Ajax w	n is succeed the for the (05)	d by the cessful. same.	Mentic	vimin
	b				(01)	
)	c.	Write a note on cache control	(02) L	(01) CO	(01) PO	(05) M
- 2		UNIT – II Write a short note on Supporting cast for MEAN stack application devel	_			
3	a.	Write a short note on Supporting cast for William 1	(03)	(01)	(01) s requi	(05) red for
1	b.	Explain the need for the planning of MEAN stack application. Also describe Loc8r Application	(02)	(01)	(01)	(05)
	c.	What is the difference between development hardware and product suitable hardware architecture for the following cases. i) An application with low amount of traffic ii) For platform as a service iii) Growing traffic or thousands of requests per second	(05)	(01)	(03)	40)
		OR			, 1 ₋	as two
4	a.	Recommend suitable MEAN stack architecture for blog application. To interfaces one for blog entries and another for admin interface. We consider conflicting architecture requirements of both the interfaces interfaces.	The blog Vhile de i.e., blo	applic signing g entri	ation no ation no ation no archites archites and	ecture admin
		interfaces.	(05)	(01)	(03)	(10)
	b.	Describe the steps in designing the Loc8r application with appropriate d			(01)	(10)

(2

(02)

(02)

(01)

(01)

(01) (III)

Fifth Semester B.E. Semester End Examination, Dec./Jan. 2019-20

ADVANCED WEB PROGRAMMING

ADVANCED WEB FROOID		Iax. Ma	ırks: 1(00
ne: 3 Hours Instructions: 1. Answer one full question from each unit Draw the diagrams wherever necessary.	•		. <	A TOTAL STREET
加坡 建氯化物 医克克斯氏 医克克斯氏 医克拉斯氏 电电子 医二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	ا ا	CO	D.Com	***
UNIT - I	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) Bitth	ix Blog	g (1)	(1)	(10)
OR 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)
c. Define Design patterns. Explain predictive fetch pattern and submission th	rottiing	(1)	(1)	(10)
Control of the Contro	(2) 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	(2)	(1)	(1)	(10)
c. Write a short note on hardware architecture for MEAN stack development	(3)	(1)	(1)	(05)
OR				
4 a. Compare relational databases and document databases.	(2)	(1)	(1)	(05)
b. Explain with the diagram MEAN stack architecture. Also explain the pur	pose of	each te	chnol	gy in
MEAN STICK	(2)	(1)	(1)	(10)
c. List and explain rapid prototype development stages of MEAN stack archi	tecture			.a =1
c. Site and Applied protocype do the first app	(2)	(1)	(1)	(05)
UNIT - III	L	CO	PO	M
5 a. Explain request response flow of MVC architecture.	(2)	(1)	(1)	(05)
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 at	fields mecha	which the	the use ust be a	r will idded
desktop and mobile screen layouts for the same.	(5)	(2)	(3)	(10)
c. Explain how you test routes and controllers.	(2)	(1)	(1)	(05)

(1)

		OR		(1)	(1)	(05)
6	a.	Illustrate defining of package.json file.	(4)		(1)	(05)
	b.	Explain the steps involved in pushing the site live using Git.	(2)	(1)		(10)
	c.	Write the code for complete database connection file using mongoose	(3) L	(2) CO	PO	M
7	a.	UNIT - IV Differentiate between good API and bad API and List down the various H	TTP sta (2)	(3)		(10)
	b.	Explain DELETE method to remove data from Mongo DD.	(2)	T.	(1)	(10)
8	a.	Define REST API and its rules. Explain how REST API processes HTTP	(2)	§.)' (3)	(1)	(05)
	b .	Explain how to update an existing subdocument in MongoDB	(2)	(3)	(1)	(05)
	c.	Explain i) Validating at the application level with NODE and Express ii) Validating with browser with jQuery	(2) L	(03) CO	(1) PO	(10) M
		UNIT -V				(0.5)
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 salts	(2)	(1)	(1)	(05)
-	c.	Explain the Full MEAN stack approach for authentication	(2)	(3)	(1)	(10)
10	a. b.	Explain how to make HTTP requests from angular to an API Elaborate on how do you improve browser performance	(2)	(3)	(1)	(10)
	υ.	Diagotate on now do you improve browser performance	(2)	(1)	(1)	(10)

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		Fifth Semester B.E. Makeup Examination, Janu	ary ∠	019		
5		ADVANCED WEB PROGRAMMIT			Marks	s: 100
Time	: 3 H	Iours				
		Instructions: 1. Unit-I and Unit-II are compulsory 2. Answer any one full question from each of the rem	nainin	g units		
		UNIT - I	L	CO	PO	M
1	0	Compare classic web application model with Ajax web application mo	del.	(1)	(1)	(05)
1	a.			(1)	(1)	(05)
	b.	Define Design Patterns. Explain submission throttling design pattern w	(2)	(1)	(1)	(05)
		Write a code to implement Google Suggest like feature using Ajax and		()	` '	, ,
	c.	Write a code to implement Google Suggest like reduct as g	(3)	(1)	(3)	(10)
		UNIT – II	L	CO	PO	M
2	a.	Which is better approach: single threaded web server or multithreaded	web s	erver?	Justify	y your
		answer with proper reasoning.	(4)	(1)	(1)	(05)
	,	Explain with diagram MEAN stack architecture. Also explain the pu	rpose		ı techr	ology
	b.	in MEAN stack.				
			(2) n hardi	(1) ware?	(1) Recon	(10) nmend
	c.	What is the difference between development hardware and productio suitable hardware architecture for the following scenarios. a. An application with low amounts of traffic. b. For Platform as a service	n nard	waro.		
		c. Growing traffic				
		d. Overloading traffic or thousands of requests per second.	(5)	(1)	(3)	(05)
		UNIT - III	${f L}$	CO	PO	M
3	a.	The primary aim for the homepage is to display a list of locations. It have a name, an address, the distance away, users' ratings, and a faci to add a header to the page, and some text to put the list in context they're looking at when they first visit. Design a Desktop and mob given scenario.	so the	at user een la	s know youts	want www.www.
		Explain request-response flow of a basic MVC architecture.	(5)	(2)	(3)	(10)
	b.	Explain request—response now of a basic WV o are interestate.	(2)	(1)	(1)	(05)
	c.	Explain how you handle complex and repeating data.	, ,		, ,	-
		•	(2)	(1)	(1)	(05)
		OR				.1
4	a.	Explain the key interactions and processes that Express goes through	when i	respon	ding to	the
		request for the default landing page.	(2)	(1)	(1)	(05)
	b.	Explain the steps in hosting an application on Heroku	(2)	(1)	()	
	ο.		(2)	(1)	(1)	(10)
	c.	Explain how do you setup controllers	(2)	(1)	(1)	(05)

5	a,	UNIT - IV	Lust	ify this	state	ment
		A good API always returns a response and shouldn't leave you hanging.	(4)	(3)	(1)	(05)
	b.	Recommend suitable request method for the following actions with propa. Create a new location c. R.	er il		ion	
		d. Update a specific location b. Read list of location e. Delete a specific location	(5)	(3)	(3)	(10)
	C.	Explain Request Methods for REST APIs.	(2)	(3)	(1)	(05)
6	a.	Explain i) Creating new documents in MongoDB ii) Creating new documents in MongoDB			The same	
		or Carling new subdocuments in MongoDB	(2)	(1)	(1)	(10)
	Ъ.	Explain i) Using Mongoose to update a document in MongoDB ii) Updating an existing subdocument in MongoDB				
			(2)	(1)	(1)	(10)
7	a.	Explain how do your ensure forms work as expected.	L	CO	PO	M
	b.	Write a note on \$scope.\$apply().	(2)	(1)	(1)	(10)
	c.	Explain the steps to add services to single page applications	(2)	(1)	(1)	(05)
•		OR	(2)	(1)	(1)	(05)
8	a.	Explain how do you secure relevant API end-points				
	b.	Explain traditional server-based application approach for authentication.	(2)	(1)	(1)	(10)
			(2)	(1)	(1)	(10)

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Fifth Semester B.E. Semester End Examination, Dec/Jan 2018-19

	7	ADVANCED WEB PROGRAMMING Time: 3 Hours	٨	Max. M	arka. 1	00
		time: 5 Hours	1.	144. 111	ai K5. 1	00
		Instructions: 1. Unit-I and Unit-II are compulsory 2. Answer any one full question from each of the rem	aining	units.		
		UNIT - I	L	CO	PO	M
	a.	List and explain any five basic principles of ajax.	(02)	(01)	(01)	(05)
	b.	Explain how do you handle multiple browser implementations in Ajax with	(02)	(01)	(01)	(05)
	c.	Explain with example fallback patterns. Write an Ajax code to fetch content on the webpage.				
		UNIT – II	(03) L	(01) CO	(03) PO	(10) M
2	a.	Explain the benefits of full stack development.	(02)	(01)	(01)	(05)
	b.	Compare integrated approach and API approach of data integration into no	de.js. (02)	(01)	(01)	(05)
	c.	What is the difference between development hardware and production suitable hardware architecture for the following scenarios. Justify your recommon as a service construction of traffic. b. For Platform as a service conduction of traffic development hardware and production suitable hardware architecture for the following scenarios. Justify your recommon development hardware and production suitable hardware architecture for the following scenarios. Justify your recommon development hardware and production suitable hardware architecture for the following scenarios. Justify your recommon development hardware and production suitable hardware architecture for the following scenarios. Justify your recommon development hardware and production suitable hardware architecture for the following scenarios. Justify your recommon development hardware and production suitable hardware architecture for the following scenarios. Justify your recommon development hardware and production suitable hardware architecture for the following scenarios.	ommen	idations	3	
		UNIT - III	(05)° L	- (01) CO	(03) PO	(10) M
3	a. b.	The primary aim for the homepage is to display a list of locations. Each name, an address, the distance away, users' ratings, and a facilities list header to the page, and some text to put the list in context, so that users k when they first visit. Design a Desktop and mobile screen layouts for the Explain the need for Bootstrap. Explain breakpoints that Bootstrap to	location We'll now wh given so (05)	n will n l also v nat they cenario. (02)	want to v're loo . (03)	have a add a king at (10)
		devices.	(02)	(02)	(01)	(05)
	C.	Explain how you test controllers and routes.	(02)	(01)	(01)	(05)
		OR Explain the usage of jade templates. Also explain the index.jade and la	vont ia	de temr	date fil	es with
4	a.	sample code.	(02)	-	(01)	(10)
	b.	Explain how a relational database and document database store repeat parent element.				•
		•	(02)	(01)	(01)	(05)
	C.	Explain how the application and database talk to each other through mod	els. (02)	(01)	(01)	(05)

				L	CO	PO	M · 😜
	5	a.	UNIT - IV Explain the working of REST APIs with diagram	(02)	(03)	(01)	(05)
		b.	Recommend suitable request method for the following actions a. Create a method for the following actions c. Read speci	fic loca	tion		
			b. Read list of location	(05)	(03)	(03)	(05)
		c.	Explain most popular HTTP status codes and how they might be used who API request.	en send	ing res	,ponses	to an
			API request.	(02)	(03)	(01)	(10)
-			OR		Nay.		•
6	8	a.	Explain				•
			i) Deleting documents in MongoDB	7		(0.1)	(10)
			ii) Deleting a subdocument from MongoDB	(02)	(01)	(01)	(10)
	b).	Explain methods to protect data integrity with data validation.	(02)	(01)	(01)	(10)
			HAUT W	1,	CO	PO	M
7			UNIT -V				
,	a.		Explain various methods of getting data from an API.	(02)	(01)	(01)	(10)
	b.		Explain three different request loops associated with different approach	es for	routin	g reque	ests in (
			Single Page Applications				
		-	gas a age rippineutions	(02)	(01)	(01)	(10)
			OR .				
8	a.	E	Explain steps involved in removing the reliance on server side application				
				(02)	(01)	(01)	(10)
	b.	E	xplain full MEAN stack approach for authentication				
				(02)	(01)	(01)	(10)

Fifth Semester B.E. Semester End Examination, Dec/Jan 2017-18 ADVANCED WEB PROGRAMMING

Time: 3 Hours Max. Marks: 100

Instructions: 1. Unit I and Unit II are compulsory

2. Answer one full question form remaining each units

		2. Answer one jun question form terms					
1	a.	EXPlain with example code methods and properties OL XIVILELLI UUIVV	10 M				
-		(Level [2], CO [1], PO [1]) Define Design Patterns. Explain Predictive fetch pattern and submission throttling pattern (Level [2], CO [1], PO [1])	10 M				
		UNIT – II	10.74				
2	a.	Explain with diagram one-way data binding and two way data binding (Level [2], CO [1], PO [1])	10 M				
		necommend suitable MEAN stack architecture for blog application. The blog application has two interfaces one for blog entries and another for admin interface. While designing architecture consider conflicting requirements of both the interfaces i.e., blog entries and					
		admin interface. (Level [5], CO [1], PO [3])					
3	a.	UNIT – III Explain with diagram the key interactions and processes that Express goes through when	10 M				
		responding to the request for the default landing page. (Level [2], CO [1], PO [1])	1037				
ĺ	b.	Explain with diagram, the data flow in MVC architecture. (Level [2], CO [1], PO [1])	10 M				
		OR	10 M				
4	a.	i) Listening for SIGINT on Windows	10 111				
		ii) Using Multiple databases (Level [3], CO [1], PO [1])					
	b.	Explain how do you make the application use the right database (Level [2], CO [1], PO [1])	10 M				
		UNIT – IV	10 M				
5	a.	Explain APIURL specifications for interacting with subdocuments with examples (Level [2], CO [3], PO [1])					
	b.	Explain POST methods for adding data to MongoDB (Level [2], CO [3], PO [1])	10 M				
		OR	10 34				
6	a.	Explain the following i) Validating at the application level with Node and Express ii) Validating at the housest with IOvery	10 M				
		ii) Validating in the browser with JQuery (Level [2], CO [3], PO [1])	10 M				
	b.	Explain the steps of moving the rendering into a named function (Level [2], CO [3], PO [1])					
		UNIT –V	10 M				
. 1	7 a.	Explain how do you get data from an API (Level [2], CO [1], PO [1])	10 M				
1	b.	Elaborate how do you improve browser performance (Level [2], CO [1], PO [1])	• • • • •				
1							

a. Explain how do you include additional pages and dynamically inject HTML into Single Page Application

(Level [2], CO [1], PO [1])

b. Explain full MEAN stack approach for managing authentication

(Level [2], CO [1], PO [1])

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