Ü	SN			16	CS55	1
P 13450 Donastir	le) i	Fifth Semester B.E. Semester End Examination, Dec./	Jan. 2	019-2	20	
	HICK	ADVANCED WEB PROGRAMMING				
	Pillir .	ADVANCED WEB PROGRAMM	M	ax. M:	arks: 1	00
eren die	ine:	3 Hours	· ·			
		Instructions: 1. Answer one full question from each unit 2. Draw the diagrams wherever necessary.	•		1	6
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	A Pri-	UNIT - I	$\mathbf{L}$	co ¿	LQ.	M
a sandan Kandala	ilia.	List out difference between frames and hidden frames		The same		(04)
		Sist out difference between manner	(1)	(1)	(1)	(04)
	Њ.	Explain HTTP responses along with status codes	(2)	(1)	(1)	(06)
	c.	Write a short note on	ux Blog			
		i)Google Suggest ii)Gmail iii)Google Maps iv) Yahoo News v) Bitfile	(2)	(1)	(1)	(10)
		OR				
2	a.	List and Explain any six principles of Ajax.	(2)	(1)	(1)	(06)
			(2)	(1)	(1)	(00)
	b.	Describe with the diagram the advantages and disadvantages of XHR.	(2)	(1)	(1)	(04)
1	c.	Define Design patterns. Explain predictive fetch pattern and submission th	rottling	pattern	1. (1)	(10)
	A Te		(2) L	(1) CO	(1) PO	(10) M
		UNIT - II	L	CO	10	
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	;.	(4)	(1)	(10)
		A. Top.	(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.				
	и.	and the second	(2)	(1)	(1)	(05)
	b.	Explain with the diagram MEAN stack architecture. Also explain the pur	pose of	each	ecilioi	ogy III
		MEAN stack.	(2)	(1)	(1)	(10)
	c.	List and explain rapid prototype development stages of MEAN stack arch	itecture	•		
	0.		(2)	(1)	(1)	(05)
		ŲNIT - III	L	CO	PO	M
5	a.	Explain request response flow of MVC architecture.	( <b>7</b> )	(1)	(1)	(05)
· Leven	41	The add_review page must contain a form with name, rating and review	(2) v fields	(1) which		
A)	, D.	fill in and submit for a particular location. The appropriate error handling	g mecha	nism 1	nust be	added
		for the submission of the form. Write the code for add_review.jade	and des	sign th	e appr	opriate
Metai.t	Hiperion	desktop and mobile screen layouts for the same.				(10)
	_	Explain how you test routes and controllers.	(5)	(2)	(3)	(10)
amaid:	c.	Explain now you test foutes and controllers.	(2)	(1)	(1)	(05)
	4		(2)	(-)		
	FA.	Note: L (Level), CO (Course Outcome), PO (Programme Outcome), M (Mark	e) .			
		- Leave Course Outcome, PO (Programme Outcome), M (Mark	٥,	11 •		

OR	(4)	(1)	(1)	(05)
<ul><li>a. Illustrate defining of package.json file.</li><li>b. Explain the steps involved in pushing the site live using Git.</li></ul>	(2)	(1)	(1)	(05)
c. Write the code for complete database connection file using mongoose	(3)	(2) CO	(3) PO	(10) M
7 a. Differentiate between good API and bad API and List down the various I	1TTP sta (2)	atus co (3)	des.	
b. Explain DELETE method to remove data from MongoDB.	(2)	(3)	(1)	(10)
8 a. Define REST API and its rules. Explain how REST API processes HTTP	request	§.) (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 UNIT -V	(2) L	(03) CO	(1) PO	(10) 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 salt	s. (2)	(1)	(1)	(05)
c. Explain the Full MEAN stack approach for authentication	(2)	(3)	(1)	(10)
<ul><li>a. Explain how to make HTTP requests from angular to an API</li><li>b. Elaborate on how do you improve browser performance</li></ul>	(2)	(3)	(1)	(10)
b. Elaborate on how do you improve browser performance	(2)	(1)	(1)	(10)

## Fifth e Samuster End Examination, July/August 2019

T:		ADVANCED WEB PROGRMMING	,	Max. N	Tarles.	100
1 []	me: 3	3 Hours	1	viax. iv	iarks:	100
		Instructions: 1. Unit I and Unit II are compulsory. 2. Answer any one full question from each of the rem	aining	units.	An	The same of the sa
		UNIT - I (compulsory)	L	CO	PO	M
1	a.	Compare classic web applications model with Ajax web application mode	(2)	(1)	(1)	(05)
	b.	Explain how do you handle multiple browser implementations in Ajax wit	(2)	^(1)	(1)	(05)
	c.	Define Deign Patterns. Explain Predictive fetch pattern and submission the	ottling (2)	pattern (1)	ı. (1)	(10)
		UNIT – II (compulsory)	y "!			
2	a.	Explain with the diagram one way data binding and two way data binding			245	(10)
	1.		(2)	(1)	(1)	(10)
	b.	Which is the better approach: single threaded web server or multi threade answer				(05)
	c.	Compare interested assessed and ADI assessed affects integration into no	(4)	(1)	(1)	(03)
	C.	Compare integrated approach and API approach of data integration into no	(2)	(1)	(1)	(05)
		UNIT - III	L	CO	PO	M
3	a.	The primary aim for the homepage is to display a list of locations. Each le name, an address, the distance away, users' ratings and a facilities list. Wheader to the page, and some text to put the list in the context, so that the looking at when they first visit. Design a desktop and mobile screen layou	ve will be users	will no l also v know v	eed to l vant to what th	add a ey are
			(5)	(2)	(3)	(10)
	b.	Explain request-response flow of a basic MVC architecture.	(2)	(1)	(1)	(0.5)
	0	Explain how you test controllers and routes	(2)	(1)	(1)	(05)
	c.	Explain now you test controllers and routes	(2)	(1)	(1)	(05)
		OR	(2)	(1)		(03)
4	a.	Explain with diagram the key interactions and processes that Express goe to the request for the default landing page.	s throu	gh whe	en respo	onding
			(2)	(1)	(1)	(10)
	b.	Explain the usage of jade templates. Also explain the index.jade and layer sample code	out.jad	e templ	late file	s with
			(2)	<b>(1)</b>	(1)	(10)
		UNIT - IV	L	CO	PO	M
5	a.	Explain most popular HTTP status codes and how they might be used whaPI request.	ien sen	ding re	sponse	s to an
	b.	Explain POST methods for adding data to MongoDB	(2)	(3)	(1)	(10)
		0.0	(2)	(3)	(1)	(10)
6	a.	i)Creating a new document in MongoDB				
U	u.	ii)Creating new subdocuments in MongoDB				
			(2)	(1)	(1)	(10)

						9
	b.	Explain the methods to protect data integrity with data validation.	(2) L	(1) CO	(1) PO	(10) M
~		UNIT - V				
/	a.	Explain different methods of getting data from an API	(2)	(1)	<b>(1)</b>	(10)
	ь.	Explain full MEAN stack approach for authentication	(2)	(1)	(1)	(10)
		OR			1	of Many
8	a.					and a second
Ü		Explain the steps to add services to single page applications.	(2)	(1)	(1)	(05)
	b.	Write a note on one way password encryption with hashes and salts		(1)	(1)	(05)
			(2)	X COY	k (-)	
	c.	Elaborate how do you improve browsers performance	(2)	(1)	(1)	(10)
			1 - 1	10 A	4	

(05)

(1)

(1)

(2)

		Fifth Semester B.E. Makeup Examination, Janu ADVANCED WEB PROGRAMMING	ary 2	2019		
Γim	e: 3 I	Hours		Max	. Mar	ks: 100
		Instructions: 1. Unit-I and Unit-II are compulsory 2. Answer any one full question from each of the ren	ıainin	ıg unit	s.	
		UNIT - I	L	CO	PO	M
1	a.	Compare classic web application model with Ajax web application model	del. (2)	. (1)	(1)	(05)
	b.	Define Design Patterns. Explain submission throttling design pattern w	ith dia	agram.		(05)
	c.	Write a code to implement Google Suggest like feature using Ajax and	PHP.	(1)	(1)	
			(3)	(1)	(3)	(10)
		UNIT – II	$\mathbf{L}$	CO	PO	M
2	a.	Which is better approach: single threaded web server or multithreaded	web s	erver?	Justif	y your
		answer with proper reasoning.	(4)	(1)	(1)	(05)
	b.	Explain with diagram MEAN stack architecture. Also explain the pur in MEAN stack.		of each		
			(2)	(1)	(1)	(10)
	c.	What is the difference between development hardware and production suitable hardware architecture for the following scenarios.  a. An application with low amounts of traffic.  b. For Platform as a service c. Growing traffic	Haid	ware:	Recon	mond
		d. Overloading traffic or thousands of requests per second.	(5)	(1)	(3)	(05)
			(5)	(1)	(3)	-
		UNIT - III	L	CO	PO	M
3	a.	The primary aim for the homepage is to display a list of locations. Ear have a name, an address, the distance away, users' ratings, and a facili 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 mobil given scenario.	ties ii so tha e scre	st. we t users een lay	ii ais knov	v what
		and the second MVC orghitecture	(5)	(2)	(3)	(10)
	b.	Explain request-response flow of a basic MVC architecture.	(2)	(1)	(1)	(05)
	c.	Explain how you handle complex and repeating data.	(2)	(1)	(1)	(05)
		OR				
4	a.	Explain the key interactions and processes that Express goes through wrequest for the default landing page.	hen r	espond	ling to	the
			(2)	(1)	(1)	(05)
	b.	Explain the steps in hosting an application on Heroku	(2)	(1)	(1)	(10)

Explain how do you setup controllers

		UNIT - IV	L	CO	PO	M
5	a,	A good API always returns a response and shouldn't leave you hanging.	Justi	fy this	staten	(05)
			141	(-)		(05)
	b.	a. Create a new location b. Read list of locations C. R.	er ju ead s	stitical	c locat	ion
		d. Update a specific location  e. Delete a specific location	(5)	(3)	(3)	(10)
	C.	Explain Request Methods for REST APIs.			(1)	(05)
			(2)	(3)	(1)	(05)
		OR			1 h	50
6	a,	Explain		-	A Property of the Park of the	
		i) Creating new documents in MongoDB		7	Mary.	
		ii) Creating new subdocuments in MongoDB	(2) 4	(1)4	(1)	(10)
	b.	Explain	(2)	(1)	(1)	(20)
		i) Using Mongoose to update a document in MongoDB	Sec. 34	1		
		ii) Updating an existing subdocument in MongoDB	\$1,			
		S S S S S S S S S S S S S S S S S S S	(2)	(1)	(1)	(10)
		ידואט -v	L	CO	PO	M
7	a.	Explain how do your ensure forms work as expected.				
			(2)	(1)	(1)	(10)
	b.	Write a note on Sscope.Sapply().				
			(2)	(1)	(1)	(05)
	C.	Explain the steps to add services to single page applications				
			(2)	(1)	(1)	(05)
0		OR /				
8	a.	Explain how do you secure relevant API end-points				•
	b.	Explain traditional account to the traditional a	(2)	(1)	(1)	(10)
	U.	Explain traditional server-based application approach for authentication.				
		1	(2)	(1)	(1)	(10)

## USN

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

		ADVANCED WEB PROGRAMMING				
		Time: 3 Hours	1	Max. N	Marks:	100
		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	СО	РО	M
1	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)		(05)
	c.	Explain with example fallback patterns. Write an Ajax code to fetch content	t from	text fi	e and o	display
		it on the webpage.	(03) L	(01) CO	(03) PO	(10) M
2	a.	UNIT – II  Explain the benefits of full stack development.		(01)	(01)	(05)
	b.	Compare integrated approach and API approach of data integration into no	(02) 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 recoa. An application with low amounts of traffic.  b. For Platform as a service c. Growing traffic	n hard	ware?	Recon	, ,
		d. Overloading traffic or thousands of requests per second.	(05)	(01)	(03)	(10)
3	a. b.	The primary aim for the homepage is to display a list of locations. Each loname, 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 knowhen they first visit. Design a Desktop and mobile screen layouts for the given Explain the need for Bootstrap. Explain breakpoints that Bootstrap targetics.	we ii ow wha ven sca (05)	also vat they enario. (02)	're loo (03)	(10)
		devices.	(02)	(02)	(01)	(05)
	c.	Explain how you test controllers and routes.	(02)	(01)	(01)	(05)
4	a.	OR  Explain the usage of jade templates. Also explain the index.jade and layout	out.jade	e temp	late file	es with
	h	sample code.  Explain how a relational database and document database store repeating	(02) g infor		(01) relatir	(10) ng to a
	b.	parent element.	(02)		(01)	(05)
	c.	Explain how the application and database talk to each other through model	s. (02)	(01)	(01)	(05)

			L	со	PO	M ·
5	a.	Explain the working of REST APIs with diagram	(02)	(03)	(01)	(05)
	b.	Recommend suitable request method for the following actions a. Create a new location b. Read list of locations c. Read speci d. Update a specific location e. Delete a specific location			(03) sponse	(05)
	c.	d. Update a specific location  e. Delete a specific location  Explain most popular HTTP status codes and how they might be used whe API request.	(02)	(03)	(01)	(10)
		OR		A. 22.2	pular.	
6	a.	Explain i) Deleting documents in MongoDB ii) Deleting a subdocument from MongoDB	(02)	(01)	(01)	(10)
	b.	Explain methods to protect data integrity with data validation.	(02)	(01) CO	(01) PO	(10) M
		UNIT -V				
7	a.	Explain various methods of getting data from an API.	(02)	(01) routin	(01) g requ	(10) ests in
	b.	Explain three different request loops associated with different approach Single Page Applications	(02)	(01)	(01)	(10)
		OR				
8	a.	Explain steps involved in removing the reliance on server side application	(02)	(01)	(01)	(10)
	b.	Explain full MEAN stack approach for authentication	(02)	(01)	(01)	(10)

USN		1518661	
	S	xth Semester B.E. Semester End Examination, May / June 2018	
		WEB APPLICATION DESIGN AND PROGRAMMING	
Time	: 3 Ho		)
		Instructions: 1. UNIT-I and UNIT-III are compulsory 2. Answer any one full question from remainin;	
1	a.	UNIT - I  Define Web. Describe domain name conversion with a neat diagram.  ( Level[ 1 ], CO[ 1 ], PO[ 1 ])	M
	b.	Explain MIME with its type specifications.  ( Level[ 2 ], CO[ 1 ], PO[ 1 ] )	M
	c.	Outline the general form of HTTP request and response phase.  ( Level[ 2 ], CO[ 1 ], PO[ 1 ] )	M
		UNIT – II	
2	a.	Explain display of an image in XHTML document with an example. (Level[2], CO[2], PO[1])	M
	b.	Illustrate with an example the use of attributes rowspan, colspan, align, valign 10	M
		cellpadding and cellspacing in creation of a table.  (Level[ 2 ], CO[ 2 ], PO[ 2 ])	
	c.	Explain the following tags with an example for each. i). <a> ii). <form> iii). <dl> 06</dl></form></a>	M
		(Level[2], CO[2], PO[1])	
3	a.	OR  Create an XHTML document to demonstrate the nesting of ordered list. It includes aircraft types as General Aviation and Commercial Aviation. General Aviation has types as single engine air craft and dual engine aircraft. Single engine aircraft has types as trail wheel and tricycle. Dual engine aircraft has types as Wing mounted engines and push pull mounted engines. Commercial Aviation has types as Dual engine air craft and Tri engine aircraft. Dual engine aircraft has types as Wing engines and fuel usage mounted engines. Tri engine aircraft has types as third engine and fuel usage third	M
		engine. (Level[ 4 ], CO[ 2 ], PO[ 3 ])	
	b.		0 N
		iv). text area	
	1	v). submit button	
		( Level[ 2 ], CO[ 2 ], PO[ 1 ] )	
		UNIT-III	
4	a.	Describe all selector forms with an example for each.  ( Level[ 2 ], CO[ 3 ], PO[ 1 ] )	0 N
	b.	the disc of list property list-style type with	5 N
		tags <ul> and <ol>. ( Level[ 4 ], CO[ 3 ], PO[ 3 ])</ol></ul>	
	c.	Summarize alignment of text using CSS with an example.  ( Level[ 2 ], CO[ 3 ],PO[ 1 ] )	5 M

5	a.	UNIT – IV Explain the implicit type conversion and explicit type conversion in Javascript.  ( Level[ 2 ], CO[ 4 ], PO[ 1 ] )	05 M
	b.	List and describe the string methods in Javascript.  (Level[1], CO[4], PO[1])	06 M
	c.	Develop a web application using JavaScript that has an array of names which are in alphabetical order. It uses prompt to get names one at a time and inserts them into the existing array in alphabetical order. Then the new array is displayed.  (Level[3], CO[4], PO[3])	09 M
		OR	
6	a.	Explain the Date object and its methods in Javascript.  ( Level[ 2 ], CO[ 4 ], PO[ 1 ] )	05 M
	b.	Describe Screen output and keyboard input in Javascript.  ( Level[ 1 ], CO[ 4 ], PO[ 2 ] )	08 M
	c.	Explain Javascript array methods with an example for each.  (Level[2], CO[4], PO[2])	07 M
		UNIT –V	
7	a.	Describe the primitive types in PHP.  (Level[2], CO[5], PO[1])	06 M
	b.	With a neat diagram explain logical internal structure of array in PHP.  ( Level[ 2 ], CO[ 5 ], PO[ 1 ] )	06 M
	c.	Illustrate the PHP functions sort, asort and ksort with an example.	08 M
		(Level[2], CO[5], PO[2]) OR	
8	a.	Explain opening and closing of files in PHP. Describe File use indicators.  ( Level[ 2 ],CO[ 5 ],PO[ 1 ] )	10 M
	b.	Explain session tracking in PHP with an example.	
		( Level[ 2 ], CO[ 5 ], PO[ 1 ] )	10 M