	To management of the second	gineering College, Ludhia	na	-!
Gui	u Nanak Dev En	nformation Technology	15	
	Department of t	Leonweter	Advanced Web	
cogram	B. leck.(IT)	Subject Title	100 00000000000000000000000000000000000	-
i ject Code	PEIT-102		Akshay Girdhar	
	The second party of the second second	Course Coordinator(s)	A CONTRACTOR OF THE PARTY OF TH	
Mid Semester Exam (MSE)	1	Course	1 hour 30 minutes	
No.		Time Duration	1 11001 3	
Jax. Marks	24	Roll Number		
Cote of MSE	28th September,	. (
and of Mos	2023	the clearly stated.	COs,	Marks
Note: Attempt all questions. A	Il assumptions mu	St De Cloury	RBT level	
Q. No.	Questi	OII	CO1, L5	2
Table 1 and	Y		CO1, 132	1
QI/ Evaluate the followi	ng stylement:	,,,	CO3, L2	2
		diff command.		4
"As a developer. I si Q2 Differentiate between	n git status and gi	tion comments Show with the	ne help CO1, L3	
the arid cycletti	15 CITCOLL	100		4
dal avainile	and a second sec	1 CITY managitary Till	indiate	
Van have made seve	ral commits in you	to and from a re	mote	
Q4 You have made seve	g and pulling thes	e changes to and from a re- commands and steps.		
repository. Include the	ie necessary GIT c	ommands and steps.	col, L3	4
	ased navigation ba	for a website that include		in a consideration
dropdown menus	1		iect CO1,CO3,	8
and the second s	cing on a collabor	ative web development pro	L6	
Librataing someictes	at chyling and lavo	all across therein wer bas	ges.	
Additionally you not	d o address issue	es related to version contro		
	1 000			1740
Dromoca a strates	for ensuring cons	sistent styling and layout ac	eross :	
multigle web pages	using Bootstrap 5.	G. G. Gartively i	" GIT.	1
O di - a plue to	manage valsion of	Oller O. Turning		
considering the cha	llenges faced by y	our team.	ration	
A boye 2 points mus	it be addressed wi	th the help of student registr)	
for admission to any	program.			,
(C(2))	- A			
James will be able 10		ed Bootstrap framework for sing MVC approach and E	or web page designing	3
1 Apply the knowledg	e of HTML 5 base	ed Bootstrap framework ic sing MVC approach and E sion control and data repo	Bootstrap.	CIT
Create and design w	eb applications u.	sing MVC approach and Esion control and data reported frameworks.	ository maintenance	using OIT
2 Create and design	erstanding of ver	Sion control and		
3 Demonstrate the und	tions using the l	1-1- trameworks.	of dynamic web 227	dications.
4 Develop web appro-	nd solve enginee	HP frameworks. ring problems in the area	x ./	
5 Identify, formulate a			100	
The state of the s	A STATE OF		order Thinking Lev	vels (FO
	The second secon	Works Higher	raer i minking De	
	mi intrince I ovo	(1012) Ine.		(
RRT Lower Order	Thinking Leve	(1.018) Ing		
RBT Lower Order	Thinking Leve	1.3 1.4		L6

BT	Lower Order	Thinking Levels ((LO18)	Ingaci	(a)	Levels (HOTS)
Classification		12	L.3	1.4	L5	L6 ₁
RBT Level	lii bl	2.5			Evaluating	Creating
	Remembering	Understanding	Applying	Analyzing	Livaraning	

	Gur	u Nanak Dev Eng	gineering College, Ludhiar	าล		
		Department of In	nformation Technology			
Program		B.Tech.(IT)	Semester	5 Advanced Web		
Subject Code		PEIT-102	Subject Title	Techno		
			Course Coordinator(s) Akshay			
Mid Sem	ester Exam (MSE)	1			Girdiai	
No.			D time	1 hour	30 minutes	
Max. Ma	rks	24	Time Duration			
Date of N	ASE	9th November,	Roll Number			
		2023	1 In stated			
Note: Att	tempt all questions. A	all assumptions mu	ist be clearly stated.		COs,	Marks
Q. No.	No. Question			RBT level		
		(- '41	respect to any PHP framey	vork:	CO5, L4	2
Q1	Analyze the following statement with respect to any PHP framework:					
•	ORES bused on the region is					2
$Q2^{3}$	Differentiate between	CO5, L2	4			
Q3	In CodeIgniter, des	cribe the directory	structure and configuration	ravel	CO5, L2	4
Q4	Discuss the concep	t of routing with e	xample in the context of La			
	framework.	11 11	a route definition that can b	e	CO5, L6	4
Q5	Create a Laravel w	eb application will	n route definition that can b			
	redirected to the w	eb application hold	oplication to demonstrate mo	odel,	CO6, L6	8
Q6	Design a Codelgni	ter/Laravel web ap	tions for a 'user' table.	,		
	view, and controll	er for CURD opera	tions for a 'user' table.	A		
Course	Outcomes (CO)					TOTAL
Student	's will be able to	CANTON AT 5 leas	ed Bootstrap framework for	web page	e designing	46
1	Apply the knowle	dge of HIMLS bas	using MVC approach and Bo	otstrap.	44. 2. 1	OIT
2				tory mair	itenance using	GII
3	Demonstrate the	lications using the	PHP frameworks.		-l- amplicat	ions
4 -	Develop web app	te and solve engine	PHP frameworks. ering problems in the area o	fdynamic	web applicat	10115.
5	Identify, formula	to and sorre trage				

	Lower Order T	Chinking Levels (LOTS)	Higher Orde	er Thinking I	Levels (HOTS)
		minking Levels (7.5	<u>L6</u>
Classification	T 1	1.2	L3	L4	ro /	
RBT Level	LI				Evaluating	Creating
Number	- Lawing	Understanding	Applying	Analyzing	Evaluating	
RBT Level	Remembering	Oncor	All Carlos La			
Name	Mark Street Co.					



	Gu	ru Nanak Dev En	gineering College, Ludhia	ina .			
		Department of I	nformation Technology				
Progran		B.Tech.(IT)	Semester	T5			
Subject	Code	PEIT-102	Subject Title	Adv	anced Web	-	
		To			nologies		
Mid Sen	nester Examination	1	Course Coordinator(s)				
(MSE) N	No.	1	Course Coordinator(s)	(8) Akshay Ghunui			
	ax. Marks 24 Time Duration 1 hour 30 minutes						
Date of I	MSE	19 th September,	Roll Number				
		2024			1		
Note: At	tempt all questions. A	Il assumptions mus	t be clearly stated.			1 3 7 1	
Q. No.		Questio			COs,	Marks	
		•			RBT level		
Q2 Q2	Can using Bootstrap	speed up developn	nent time? Why or why not	?	CO1, L5	2	
(02)	Differentiate between	git status and git	diff command.		CO3, L2	2	
Q3)	How does a grid syst	em improve flexib	ility in table design? Provid	le a	CO1, L3	4	
	demonstration.				500 X 4	4	
Q4)	Outline the step-by-s	tep procedures invo	olved in both pushing local		CO3, L4	4	
	changes to the remote repository and pulling updates from the remote.						
	Include an in-denth e	xplanation of the a	ssociated GIT commands, t	Hell			
	purpose, and how the	y interact with the	repository to ensure a smoo	oth			
	workflow						
Q5	Create a fully respons	sive Bootstrap-base	d navigation bar for a webs	SILC A	(01, 23		
	that includes dropdov	n menus. Provide	a detailed explanation of th	·C			
	ctructure				CO1,CO3,	8	
Q6)	Imagine you are work	ing on a collaborat	ive web development proje		L6		
	using Bootstrap 5 and	GIT. Your team is	lacing chancinges in	s.			
	maintaining consisten	t styling and layour	across different web pages		-		
	C. CIT		related to version control				
	conflicts in GIT.	For ensuring consist	ent styling and layout acro	ss			
					-		
1	b) Outline a plan to m	anage version cont	rol conflicts effectively in t	GII,			
	11 11	naac tacea ny voui	IEAIII.				
	Above 2 points must b	e addressed with the	ne help of student registrati	on			
	for admission to any p	rogram.	,				
Course O	utcomes (CO)						
Students w	vill be able to	8:			o decigning		
1	Apply the knowledge	of HTML5 based B	Sootstrap framework for we	trop	e designing		
		ligatione neine	MANC approach and books	map.		o GIT	
3 1	Demonstrate the under	standing of versior	control and data repositor	y IIIali	iteriance usin	5 011	
4 I	Develop web application	ons using the PHP	trameworks.	namic	web applicat	ions	
5 I	dentify, formulate and	solve engineering	problems in the area of dy	паппс	web applicat	10113.	

	Lower Order	Thinking Levels	(LOTS)	Higher Order Thinking Levels (HOT)		
Classification RBT Level	L1	L2	L3	L4	L5	L6
Number			<u> </u>	A I	Fuelwating	Craating
RBT Level	Remembering	Understanding	Applying	Anaiyzing	Evaluating	Creating
Name					L	

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		Department of	Information Technology	-	The state of the s	and the state of the state of	
Program		B.Tech.(IT)	Semester	5	The same the same that the sam		
Subject Code		PEIT-102	FEIT-102		inced Web		
					chnologies		
Mid Sem	ester Exam (MSE)	2	Course Coordinator(s)	Aksh	ay Girdhar		
No.							
Max. Ma	irks	24	Time Duration	1 hou	r 30 minutes		
Date of N	MSE	22 nd	Roll Number 2003781				
		November,					
		2024					
Note: At	tempt all questions. A	ll assumptions n	iust be clearly stated.		60	Marks	
Q. No.		Ques	stion		COs, RBT level	Mark	
		What could be the reasons for the quoted statement w.r.t. a Software				2	
Q)	What could be the re	11''	CO5, L4	2			
	Developer's point o		CO5, L2	2			
Q3	Differentiate between	CO5, L2	4				
(Q3.)	In Laravel, describe	the directory stru	acture and configurations.		CO5, L2	4	
(4)	Discuss benefits of	database migratio	on in Laravel.	ner	CO5, L6	4	
95	In Laravel, how can route or URL? Crea	you define a rou te a sample imple	te that redirects users to anothementation for redirecting to t	he	203, 20		
	home page.	l line	tion using Codelaniter or Lar	avel	CO6, L6	8	
Q6)	Design and impleme	ent a web applica	tion using CodeIgniter or Lar. ontroller (MVC) pattern for Controller (MVC)	CRUD	,		
	that demonstrates th	e Moder-View-C	ide the relevant code and				
	operations on assum	ea table(s). Iliciu	ide the relevant edge and				
	explanations for eac	n component.					
Course	Outcomes (CO) will be able to						
	Will be able to	CLITAL 5 has	ed Bootstrap framework for w	veb pag	e designing		
1		1	and MANT approach and boo	LSH aD.			
2	Create and design w	larstanding of ve	rsion control and data reposito	ory mai.	ntenance usin	g GIT	
3	1 1 1	-tions using the l	DDD frameWorks.				
4	Develop web applic	and solve engines	ering problems in the area of d	ynamic	web applicat	ions.	
5	Identity, formulate a	illu sorve enginee	amb broozens				

	Lower Order	Thinking Levels	(LOTS)	Higher Order Thinking Levels (HOT		
Classification			12	1.4	1.5	1.6
RBT Level	L1	L2	L3	L4	LS	20
Number				Analyzina	Evaluating	Creating
RBT Level	Remembering	Understanding	Applying	Anatyzing	Evaluating	Creating
Name	1.8					

[Total No. of Questions: 09] Uni. Roll No. 9203757

[Total No. of Pages: 2]

Program: B.Tech. (Batch 2018 onward)

Semester: 5th

Name of Subject: Advanced Web Technologies

Subject Code: PEIT-102

Paper 1D: 16445

Time Allowed: 03 Hours

Max. Marks: 60

NOTE:

1) Parts A and B are compulsory

- 2) Part-C has Two Questions Q8 and Q9. Both are compulsory, but with internal choice
- 3) Any missing data may be assumed appropriately

Part - A

[Marks: 02 each]

Q1.

(a) Can using Bootstrap speed up development time? Why or why not?

Define the role of Typography in Bootstrap.

Differentiate between git status and git diff command.

(d) How do you establish a database connection in any PHP framework.

Explain the concept of responsive design and its importance in web development.

Discuss the advantages of using Laravel over other PHP frameworks.

Part – B

[Marks: 04 each]

Q2. Describe how the "Grid System" and "Responsive Classes" in Bootstrap facilitate web design.

Explain the process of creating a new branch in Git and merging it with the main

With the help of example illustrate the working of MVC pattern.

Compare and contrast the features of CodeIgniter and Laravel frameworks.

Discuss benefits of database migration in Laravel/Codeigniter frameworks.

In Laravel, how can you define a route that redirects users to another route or URL?

Create a sample implementation for redirecting to the home page.

Q8. Design a responsive web page layout using Bootstrap's grid system, incorporating navigation bars and modals.

OR



Create and explain a dynamic form using CodeIgniter/Laravel framework that performs CRUD operations on a database.

Q9. Develop a Laravel/CodeIgniter application for any type of user creation/registration process.

OR



You are part of a collaborative web development project using Bootstrap 5 for frontend design and GIT for version control. The team is developing a user creation/registration process, but challenges arise in maintaining a consistent design across all pages and resolving frequent version control conflicts.

Tasks:

- 1. Evaluate the challenges your team faces in maintaining consistent styling and layout during the development of the user registration process. Devise a comprehensive strategy using Bootstrap 5 to ensure design uniformity across all related web pages.
- 2. Considering the issues with version control conflicts in GIT, propose an actionable plan that includes workflows and tools to effectively manage these conflicts. Justify how this plan would improve the team's collaboration during the development of the user registration process.
