Please check that this question paper contains 09 questions and 02 printed pages within first ten minutes.

EVENING

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

11 6 IAN 2023

[Total No. of Pages: 02]

Program: B. Tech .(Batch 2018 onward)

Semester: 5th

Name of Subject: Advanced Web Technologies

Subject Code: PEIT-102

Paper ID: 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

01.

- How can you create an alert in bootstrap? a)
- List some popular MVC framework. b)
- How to apply patching using git? c)
- Illustrate the concept of model binding in Laravel? d)
- Outline the controller usage and scope in Codeigniter framework? e)
- Compare and contrast local git and remote git? 1

Part - R

[Marks: 04 each]

- Discuss bootstrap table and various classes that can change the appearance of table and also **Q**2. write the code to create a table.
- Demonstrate the MVC architecture used for creating web application. Also explain its 03.
- Why is there a need for Exception Handling? Write a code to demonstrate it in PHP. 04.
- Create the Laravel project (write the steps for installation, environment setup, configuration) **Q**5. with route definition that can be redirected to the web application home page.

Page 1 of 2

EVENING

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- Q6. What is version control system? Write its main purpose. Also provide the steps for installation of any VCS?
- Q7. How will you differentiate between ActionResult and ViewResult? Support your answer with a basic syntax code.

Part - C

[Marks: 12 each]

Q8. Design a Codeigniter web application to demonstrate the CI model, view, routes and controller with CURD operations. Also compare fluid and default grid system.

OR

Assume that the Annual Sports meet event is being organized in your college, so make a responsive registration form using bootstrap 5 using its features. Also compare bootstrap 4 with 5.

Q9. Write the meaning of these commands: git status, git log, git branch, git commit, git config, git restore, git init, git pull, git push, git add, git diff, git checkout.

OR

How to create the local and remote repository on any git server using SSH or https? Write down the different steps and commands used to install and set up new branch, also perform pull, push and merge operations on git the repository.

Please check that this question paper contains 9 questions and 2 printed pages within first ten minutes.

EVENING

[Total No. of Questions: 09]

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Part - A

[Marks: 02 each]

Q1.

- a) Explain grid in bootstrap with example.
- b) Describe the controller usage and scope in Codeigniter framework.
- c) Illustrate the concept of model binding.
- d) What does MVC stand for, and briefly explain its core concepts?
- e) How does GIT handle conflicts during the merging of branches?
- f) Design a secanrio where "Alerts" are used to improve the overall experience for users.

Part - B

[Marks: 04 each]

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- Q2. Explore the concept of routing in Laravel framework.
- Q3. Describe the steps and GIT commands involved in pushing multiple commits from your local GIT repository to a remote repository and pulling changes from the remote repository to update your local repository.
- Q4. Why is bootstrap used for web Development? Illustrate its major components in detail.
- Q5. Design a navigation bar for a website using Bootstrap, incorporating dropdown menus as part of the navigation structure.
- Q6. Construct an effective data entry form using Bootstrap components and classes.

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EVENING

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Q7. Outline the process of setting up a CodeIgniter project, detailing the steps for installation. configuring the environment, and establishing route definitions.

Part - C

[Marks: 12 each]

CIT server using SUH OR lifter.

Q8. Demonstrate the MVC architecture used for creating web application. Also list its advantages.

OR

Compare and contrast two different MVC frameworks.

Q9. How to create the local and remote repository on any GIT server using SSH OR https. Write down the different steps and commands used to install and setup new branch, preform pull, push and merge operations on GIT the repository.

OR

Design a web application to demonstrate the CodeIgniter/Laravel model, view, routes and controller with CURD operations.

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