

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

[Total No. of Questions: 09]

EVENING

[Total No. of Pages: 2.]

Uni. Roll No.

27 JUN 2022

Program: B.Tech. (Batch 2018 onward)

Semester: 4th

Name of Subject: Web Technologies

Subject Code: PCIT-107

Paper ID: 16236

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) Define CELLPADDING and CELLSPACING attributes of <table>.
- b) Differentiate between XML and HTML.
- c) List Features of Codeigniter framework .
- d) What method can you use to extract data from a canvas into an image?
- e) How will you embed images in a web document?
- f) Compare and contrast .empty() , .remove() and .detach() in jQuery.

Part – B

[Marks: 04 each]

- Q2.** Explain working mechanism of AJAX with suitable example.
- Q3.** Discuss in detail different methods of creating style sheets with the help of suitable examples.
- Q4.** Design a jQuery to get the selected value and currently selected text of a dropdown box.
- Q5.** Create a HTML document that displays a table of basketball scores at national games in which the team names have their respective team colors. The score of the leading/winning team should appear larger and in a different font than the losing team. Use CSS
- Q6.** Create a PHP program to find whether a given number is Armstrong Number or not.

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- Q7.** Design a Tagline “ Welcome To You” of Red and Blue linear gradient in 200× 200 HTML5 canvas using fill method.

Part – C

[Marks: 12 each]

- Q8.** Explain events handling in jQuery along with jQuery syntax and selectors in detail.

OR

Explain the following in detail with example:

- a) Geolocation and GPS services
- b) Cascading Style Sheets in HTML5

- Q9.** Write class declarations and member function definitions for following employee(code, name, designation). Design derived classes as emp_account(account_no, joining_date) from employee and emp_sal(basic_pay, earnings, deduction) from emp account.

Write a PHP Script to create 5 objects (pass details using parameterized constructor) and Display details of Employees who having Maximum and Minimum Salary.

OR

Create a sample form that collects the first name, last name, email, user id, password and confirms password from the user. All the inputs are mandatory and email address entered should be in correct format. Also, the values entered in the password and confirm password textboxes should be the same. Design a javascript code to validate and output display proper error messages in red color just next to the textbox where there is an error.
