

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2019

Course: Web Technologies Through PHP
Program: B.Tech. CSE (All specializations)
Course Code: CSEG2011

Semester: IV
Time 03 hrs.
Max. Marks: 100

Instructions: Attempt all the questions.

SECTION A

S. No.		Marks	CO
Q1.	What are the different conditional statements available in PHP? When would you use the === operator?	[4]	CO1
Q2.	What are associative arrays? Write a code to create an associative array and display its values.	[4]	CO3
Q3.	What do you mean by loosely typed language? Discuss the variable declaration and use of variables in PHP. What is type juggling?	[4]	CO2
Q4.	Write an HTML code that will display a table of students name, roll number, total mark.	[4]	CO1
Q5.	How can you incorporate Java Script into an HTML page? Write an example.	[4]	CO6

SECTION B

Q6.	How can we get the browser properties using JavaScript? Discuss BOM model.	[8]	CO5
Q7.	What are Constructors and Destructors? How constructors are used to create an object. Show with an example. How do you call a constructor for a parent class?	[8]	CO4
Q8.	What are different iterative constructs available in PHP? Write a PHP function to calculate factorial of a number using pass by reference method?	[8]	CO2
Q9.	Write a PHP script to open, close, read and write into a file. Discuss various file opening modes. How r+ is different from w+.	[8]	

OR

	How can we use \$_GET, \$_POST, \$_REQUEST variable in PHP. Give suitable example using HTML form and PHP script.		CO3
Q10.	What is the use of inner HTML? Show an example to insert run time HTML code.	[8]	

OR

	What is session? What are the advantages of session over cookie? How session is created and destroyed?		CO6
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SECTION-C

- Q11.** Differentiate between
- implode() and explode()
 - echo and print ()
 - Get and Post method
 - Session and cookie
 - <div> and <frame>

[20] CO2

- Q12.** Write the PHP script to establish the connection with MySQL database server. After establishing the connection:
- create a database *employee*
 - create the table *empdata* in database *employee* with fields emp_id, emp_name, age and email.
 - insert the following values in the table

emp_id	emp_name	age	email
1001	shantanu	34	Shantanu123@gmail.com
1002	kapil	35	kapiltiwari@hotmail.com
1003	vats	36	vats@gmail.com

[20] CO5

OR

What do you mean form Validation? Why form validation is preferred using Java Script instead of PHP script? Write the script to perform following validation for the inputs submitted by the user in a text box of HTML form with name 'username'.

- Not empty
- name has at least three characters
- name does not consist of any number
- name is not in upper case

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Name of the School <small>(Please tick, symbol is given)</small>	:	<input type="checkbox"/> SOE	<input type="checkbox"/>	<input type="checkbox"/> SOCS	<input checked="" type="checkbox"/>	<input type="checkbox"/> SOP	<input type="checkbox"/>
Programme	:	B. Tech.					
Semester	:	IV					
Name of the Course	:	All CSE courses					
Course Code	:	CSEG2011					
Name of Question Paper Setter	:	Dr. Shamik Tiwari					
Employee Code	:	40001641					
Mobile & Extension	:	9509041102					
Note: Please mention additional Stationery to be provided, during examination such as Table/Graph Sheet etc. else mention "NOT APPLICABLE":							
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SECTION A

S. No.		Marks	CO
Q1.	PHP and JavaScript are both programming languages that generate dynamic results for web pages. What is the main difference and why would you use both of them.	[4]	CO1
Q2.	What are the possible ways to apply CSS styles to a web page? What is a Class selector and how does it differ from an ID selector?	[4]	CO1
Q3.	What do you mean by magic constants in PHP? Discuss the use of following magic constants in PHP. a. <u> LINE </u> b. <u> FILE </u> c. <u> DIR </u> d. <u> FUNCTION </u>	[4]	CO2
Q4.	What are different list tags available in HTML? Explain each.	[4]	CO1
Q5.	What is the use of following methods: a. getElementById() b. getElementByClass() c. getElementByname() d. getElementByTagName() How these methods are different from each others.	[4]	CO4

SECTION B

Q6.	Discuss various sorting functions available in PHP. The value of the variable input is a string 1,2,3,4,5,6,7. How would you get the sum of the integers contained inside input?	[8]	CO2
Q7.	Write a PHP program to copy content of one file to another file.	[8]	CO3
Q8.	What is for each in PHP? Write a PHP function to calculate factorial of a number using pass by value method?	[8]	CO2
Q9.	What are cookies? How can you create, access and delete a cookie in PHP with the help of example.	[8]	CO5
	OR		
	What is session? What are the advantages of session over cookies? How session is created and destroyed?		
Q10.	Write a PHP code to create an associative array to store the student id and age and to a. Display the array.	[8]	CO3

- b. Sort the array by values.
- c. Sort the array by keys.

OR

Write PHP code to create a text file and store the prime numbers in the range 1 to 100. Read the file and display the prime numbers.

SECTION-C

- Q11.** Differentiate between
- a. static and dynamic web page
 - b. echo and print ()
 - c. Get and Post method
 - d. Local and Global variables
 - e. exit () and die ()

[20] CO6

- Q12.** What is meant by form validation? Suppose you receive a form submitted by a post to subscribe to a newsletter. This form has only one field, an input text field named email. How would you validate whether the field is empty? Print a message "The email cannot be empty" in this case. Write the JavaScript code.

Or

Write the PHP script to establish the connection with MySQL database server. After establishing the connection:

- a. create a database *student*
- b. create the table *studata* in database *student* with fields *student_id*, *student_name*, *age* and *city*.
- c. insert the following values in the table

[20] CO5

student_id	student_name	age	city
101	saurabh	20	agra
102	mayank	20	dehradun
103	radhika	21	delhi