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

Course: Web Technology with PHP   Semester: IV
Program: Bachelor of Computer Applications   Time 03 hrs.
Course Code: CSBC 2005   Max. Marks: 100

Instructions:

	SECTION A		
S. No.		Marks	CO
Q 1	Explain the differences between client side and server side scripting.	4	CO1
Q 2	Describe the concept of interfaces and extendable interfaces in PHP and also write the syntax for the same.	4	CO3
Q 3	Discuss the difference between call by value and call by reference in PHP by giving an example of swapping a number.	4	CO1
Q 4	Compare include, include_once, require and require_once.	4	CO1
Q 5	Explain the functions available to read contents from a file and discuss a program for fetching two values from a user and store the series / range in a file.	4	CO2
	SECTION B		
Q 6	Write short notes on following PHP frameworks a) CakePHP b) Symfony c) Zend	10	CO1
Q 7	Demonstrate the working of Constructors and Destructors in PHP and write a program for calculating area using constructors and destructors.	10	CO3
Q 8	Define the concept of type juggling in PHP with example. Discuss different data types available in PHP.	10	CO1
Q 9	Explain the steps for connecting to a MySQL database and write a program to fetch following details from a database and display them in a table with alternate row color. Or Create a registration form for student enrolment for admission to a course and save the details in a database.	10	CO2 CO2
	SECTION-C		
Q 10	Classify different types of Objects in Java Script with examples and syntax. Or	20	CO1, CO2

	Describe the concepts of Cookies and Sessions. Also explain the method for creating visitor counter using both the concepts.		CO2
Q 11	Discuss the methods of exception handling and error handling in PHP.	20	CO3

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SECTION A

S. No.		Marks	CO
Q 1	Differentiate between GET and POST method.	4	CO1
Q 2	Discuss the different Magic Constants available in PHP and explain their usage.	4	CO1
Q 3	Explain any 5 built-in array functions with their syntax.	4	CO1
Q 4	Write a function for uploading the file only if the size of the file is less than 20MB.	4	CO2
Q 5	Explain the strengths and weaknesses of javascript.	4	CO1

SECTION B

Q 6	Summarize the steps to install local server on computer and discuss the differences between local and remote server.	10	CO1
Q 7	Write a program for validating a number using a regular expression.	10	CO2
Q 8	Explain the different types of arrays available in PHP and explain the different methods for iterating an array with examples.	10	CO1
Q 9	Define exception handling in PHP and provide a code for generating and handling any 2 types of exception. Or Demonstrate the working of PHP functions for copying, renaming and deleting a file.	10	CO3 CO3

SECTION-C

Q 10	Classify the different types of Objects in Java Script with examples and syntax.	20	CO1
Q 11	Describe the concept of Sessions and discuss the methods for creating, reading a value from session and destroying a session. Or Write a program for updating the contact number of an employee after receiving updated contact info from user. Perform necessary java script validations also.	20	CO2 CO2