UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2020

Course: Web Programming through PHP **Semester:** III
Program: B.Tech. CSE+OSOS **Time** 03 hrs.
Course Code: CSEG2018 **Max. Marks:** 100

Instructions: Attempt all sections

SECTION A

1. Each Question will carry 5 Marks
2. Complete the statement / Select the correct answer(s)

S. No.	QUESTION	CO

Q1	Write the output of following code?
	``php
	<?php
	   $x =10;
	   $y =20;
	   if($x > $y + $y != 3)
	      print "hi"
	   else
	      print "how are you"
	?>
	``
		CO2

Q2	Attribute name used to write inline CSS is_____	**CO1**
Q3	By giving same name to radio buttons, only one radio button at a time can be selected (True/False)	**CO1**

Q4	What is the output of following code?
	``php
	<?php
	   $name = array("Peter", "Ben", "Joe");
	   $age = array("35", "37", "43");
	   $c = array_combine($age, $name);
	   print_r($c);
	?>
	``
	(i) Array (Peter Ben Joe)
	(ii) Array ([Peter] => 35 [Ben] => 37 [Joe] => 43)
	(iii) Array ([35] => Peter [37] => Ben [43] => Joe)
	(iv) Array (35 37 43)
		CO3

Q5	Write three methods of displaying output in java script.	**CO1**

Q6	What is the output of the following PHP code?
	``php
	<?php
	   $x=5, $y=7;
	   $z = ($x>$y?($x<$y?$x++:$y++):($x<$y?$x--:$y--));
	   echo "$x=".$x.",$y=".$y;
	?>
	``
		CO1

SECTION B

1. Each Question will carry 10 Marks
2. Write proper comments in your code

Q7	Create a text file to store the customer data in the following format: Customer_Name:Customer_Age:Customer_Address Perform the following operation through PHP: a) Append the records of customer in the existing file. b) Display the customers whose age is between 35 to 40 c) Copy the content of file in another file.	**CO2**
Q8	Explain the following in reference of PHP with example: a) call by value b) call by reference	**CO3**
Q9	Develop a web page that provides choices to user to calculate Combination and Permutation. Choices should be shown in the form of Drop-down list or Radio Buttons. Write PHP code to calculate required values according to user choice. Your code should have at least three user defined functions and one switch-case statement.	**CO1**
Q10	What are the Exceptions? How It can be taken care in PHP? Write a PHP program to demonstrate your own exception class.	**CO4**
Q11	Create a class Distance that is used to represent a distance in *Kilometer* and *Meter*. Class contains a parameterized constructor to initialize an object and two member functions *Add* and *Subtract* to perform addition and subtraction of two distances respectively. Make all the attributes as private members of the class and add appropriate functions to display the object. Create two objects and demonstrate call of addition and subtraction with result display.	**CO4**

SECTION-C

1. **Attempt any one of the following questions.**
2. **Question carries 20 marks.**

Q12	Develop a web page and insert details about an employee (Emp_Id, Emp_Name, Emp_DateOfBirth, Emp_Salary, Emp_DateOfJoining) of an organization. Write PHP code to connect it with database and display dialogue after each successful insertion of record.
	Your page is also having few search criteria to print details of Employees:
	    a) All Employees who have served organization more than 15 Years
	    b) Organization is giving 5% hike in salary to those employees who are having their birthday in January as 15th January is the foundation day. Update all eligible records and print it.
	
	OR
	
	Design a web application used to store marks of students in 5 different subjects. Application will employ MySql for persistent storage. Mention schema of your table to be used in the application. Your application must exhibits following features:
	    1. A user should be able to display records based on percentage criteria.
	    2. A user should be able to display detailed marks card for a single students that comprises marks in each subject, total marks, percentage, Pass/Fail status and division secured.
	Consider 100 as maximum marks for each subjects. A student securing 35and above marks in all subjects is considered as Pass otherwise status of the candidate is fail. For awarding division following rules will be applicable:
	Percentage more than 75% Honors
	Percentage more than 60% and less than 75% First
	Percentage more than 50% and less than 60% Second
	Percentage more than 35% and less than 50% Third
		CO5