



ଓଡ଼ିଶା ରାଜ୍ୟ ମୁକ୍ତ ବିଶ୍ୱବିଦ୍ୟାଳୟ, ସମ୍ବଲପୁର, ଓଡ଼ିଶା  
Odisha State Open University, Sambalpur, Odisha  
Established by an Act of Government of Odisha.

# ASSIGNMENTS

CSP-42, 43 & 44

(Theory & Practical)

SESSION: 2018-19

**DIPLOMA IN COMPUTER APPLICATIONS  
(DCA)**

**Please read the instructions carefully before attempting assignment questions.**

# INSTRUCTIONS FOR DOING ASSIGNMENTS

## Dear Learner,

You are required to submit one assignment per course within the stipulated time in order to become eligible to appear in the term-end examination. The assignments will be evaluated by the counselors at your Study Centre. Please submit your assignment solutions to the Coordinator of your Study Center.

## Purpose of Assignments:

1. Assignments are part of the continuous evaluation process in Open and Distance Learning (ODL) system. Due weightage is given to the marks/grades you obtain in assignments. This will help you for better performance in the term-end examination. If you secure good grades/marks in assignments, your overall performance will improve.

2. Assignments are also a part of the teaching-learning process in ODL system. Your assignment, after evaluation, will be returned back to you with specific and general comments by the evaluator. This will help you to know your strength as well as your weakness. Thus, it will establish a two-way communication between learner and evaluator.

## How to Write Assignments:

Please read the instructions for writing the response of an assignment before you start writing your answer.

1. Write your name, programme code, course title, enrolment no. and study center name with code in the top sheet of the assignment answer booklet as per the format given below.

**PROGRAMME TITLE:** .....**ENROLMENT No.:** .....

**NAME:**.....

**ADDRESS:**.....

**COURSECODE..... COURSETITLE:**.....

**ASSIGNMENT CODE:**..... **SIGNATURE:**.....

**STUDY CENTRE:** .....**DATE:** .....

2. Before you attempt the assignments, please go through the course materials carefully, understand the same and write answers in your own language and style.
3. **Write the answers in your own handwriting.** Give sufficient margin in the left side of each page so that the evaluator will give comments on each paragraph/page.
4. Your handwriting should be neat and readable.

## Weightage for each Assignments:

1. Each Theory Assignment will carry 15% weightage and each Practical Assignment will carry 10% weightage and term-end examination will carry 75% weightage.
2. Each assignment will be of 100 marks. But it will carry 25% weightage.
3. You have to score minimum pass mark i.e. 40% in each assignment. In case you do not submit assignment or get fail mark in assignment you have to re-submit in the next year.

## SUBMISSION DATES FOR ASSIGNMENTS

Sl. No.	Course Code	Name of the Course	Date of Submission	Day (As per Calendar)
<b>Theory</b>				
1	CSP-42	Web Design	<b>5<sup>th</sup> May 2019</b>	<b>Sunday</b>
2	CSP-43	Database Management Ssystem	<b>5<sup>th</sup> May 2019</b>	<b>Sunday</b>
3	CSP-44	Application Development Using PHP	<b>5<sup>th</sup> May 2019</b>	<b>Sunday</b>
<b>Practical</b>				
4	CSPL-42	Web Design Lab	<b>5<sup>th</sup> May 2019</b>	<b>Sunday</b>
5	CSPL-43	Database Management Ssystem Lab	<b>5<sup>th</sup> May 2019</b>	<b>Sunday</b>
6	CSPL-44	Application Development Using PHP Lab	<b>5<sup>th</sup> May 2019</b>	<b>Sunday</b>

**ASSIGNMENTS****Web Design (CSP-42)****(Theory)****Full Marks - 100****Group 'A'****Q. No 1 (Answer in one Word/Sentence)****Mark: 1 X 10 = 10**

- Which tag is used to link various web pages?
- Which tag is used to put any content in the center of the page or any table cell?
- Which symbol is used for comments in JavaScript?
- What is a prompt box?
- What is the use of isNaN function?
- What would be the result of 3+2+"7"?
- Name the tag used to insert JavaScript code into an HTML document.
- What are all the looping structures in JavaScript?
- Name the dialog box in JavaScript which is used to give a warning message to the users.
- What Operator is used to create an instance of an object in JavaScript?

**Group 'B'****Q. No 2. (Word Limit: 50 Words)****Marks: 5 X 4 = 20**

- What is Frame in HTML? What are the different types of attributes in frameset?
- What is Cookies? Give a brief ideas.
- What is a function in JavaScript? Explain with an example.
- What is Universal Selector in CSS?

**Group 'C'****Q. No 3. (Word limit: 200 Words)****Marks: 10 X 4 = 40**

- What are the different properties of table in CSS? Explain it.
- Explain different types of loops in JavaScript.
- Explain different types of operators in JavaScript with an example.
- Explain the HTML tag : <P>, <TABLE>, <A>, <FRAME>, <IMG>

**Group 'D'****Q. No 4. (Word limit: 250 Words)****Marks: 15 X 2 = 30**

- What are the three types of CS selectors? Explain it.
- Explain Error and Error handling mechanism in JavaScript with an example.

## ASSIGNMENTS

### Database Management System (CSP-43)

(Theory)

Full Marks - 100

Group 'A'

**Q. No 1 (Answer in one Word/Sentence)**

**Mark: 1 X 10 = 10**

- a) What is Deadlock and Starvation in DBMS?
- b) Define Normalization.
- c) Which language is responsible for manipulating records?
- d) Give an example of DML and DDL language.
- e) Which key is a combination of unique and Not Null?
- f) What is Primary key?
- g) What is SQL?
- h) Which technique is used to organize the data in the Database?
- i) ACID stands for what?
- j) Define Database.

Group 'B'

**Q. No 2. (Word Limit: 50 Words)**

**Marks: 5 X 4 = 20**

- a) Describe the characteristics of Database System.
- b) What is decomposition? Write the properties of decomposition.
- c) What are the different responsibilities of DBA?
- d) State the difference between data & information.

Group 'C'

**Q. No 3. (Word limit: 200 Words)**

**Marks: 10 X 4 = 40**

- a) Explain Data Independence & its type.
- b) What do you mean by constraint? Explain different types of constraints.
- c) What do you mean by Functional Dependency? Explain it.
- d) Explain Boyce Codd Normal Form with an example.

Group 'D'

**Q. No 4. (Word Limit: 250 Words)**

**Marks: 15 X 2 = 30**

- a) Explain three tier architecture of Database.
- b) Explain different Relational Algebra operation on a Database.

## ASSIGNMENTS

### Application Development using PHP (CSP-44)

(Theory)

Full Marks - 100

#### Group 'A'

**Q. No 1 (Answer in one Word/Sentence)**

**Mark: 1 X 10 = 10**

- Step by step procedure for solving a problem is called.
- What is an Array?
- What is the difference between JavaScript and PHP?
- How to Check End-of-file in PHP?
- Differentiate between Echo and print statement.
- Write the syntax to create an object in PHP.
- Define Inheritance.
- What is the full form of URL?
- PHP stands for?

#### Group 'B'

**Q.No.2 (Word Limit: 50 words)**

**Mark: 5 X 4 =20**

- What is the different between \$GET and \$POST?
- What is Super Global? What are the Super Global used in PHP?
- What are the advantages of objects in OOPS?
- Differentiate between ECHO and PRINT command in PHP.

#### Group 'C'

**Q.No3. (Word Limit: 200 words)**

**Mark: 10 X 4 = 40**

- What is conditional statement? What are the various kinds of conditional statements?
- Explain different types of constants in PHP.
- What are the rules to declare a PHP variables? What is the scope of PHP variables?
- What is form? What are input types and their use?

#### Group 'D'

**Q.No4. (Word Limit: 250 words)**

**Mark: 15 X 2 = 30**

- Write a PHP program to update data in a table "users" using MySQL.
- What is Form Validation? What are the various types of Form Validation done at the server end?

# **ASSIGNMENTS**

## **(PRACTICAL)**

## ASSIGNMENTS

### Web Design Lab (CSPL-42)

(Practical)

Full Marks – 100

Answer Any Five (Each Question Carries 20 Marks)

1. Write a HTML program using table to display your educational qualification hierarchy using different tags of table.
2. Write a HTML program to display the following output.

User name

Password

3. Write a HTML program using list to display the following
  - Mango
  - Tea
    - Black Tea
    - Green Tea
  - Biscuit
4. Write a CSS code to
  - a. Set the border-spacing for a table
  - b. A heading with a 1px thick right border
5. Write a JavaScript program to display all the cookies information.
6. Write a JavaScript program to display the greatest among two number.
7. Write a JavaScript program to display the reverse of a number.



## ASSIGNMENTS

### Database Management System Lab (CSPL-43)

(Practical)

**Full Mark – 100**

**Answer Any Five (Each Question Carries 20 Marks)**

1. Write SQL commands to perform the following
  - a. Create a table STUDENT with the following attributes
 

ROLLNO	NUMBER	PRIMARY KEY
NAME	VARCHAR2(10)	NOT NULL
ADDRESS	CHAR(20)	
EMAILID	VARCHAR2(30)	
TOTAL	NUMBER(5,2)	
  - b. Insert few records inside the table.
  - c. Display all the records of the table.
  - d. Display only those records whose rollno is more than 10.
2. Write SQL commands to perform the following
  - a. Add a new column PHONE NUMBER(10) in the STUDENT table
  - b. Change the data type of ADDRESS column to VARCHAR2(20) in the STUDENT table.
  - c. Delete the email column from the STUDENT table.
  - d. Show the structure of the STUDENT table
  - e. Delete the STUDENT table
3. Write down the Data Manipulation Language Commands with syntax and example.
4. Write down the Data Definition Language Commands with syntax and example.
5. Write down the Transaction Control Language commands with syntax and example.
6. Write down the steps to back up the whole database in any Database System.
7. Write down the steps to restore and recover the whole database in any Database System.

## ASSIGNMENTS

### Application Development using PHP Lab (CSPL-44)

(Practical)

**Full Mark – 100**

**Answer Any Five (Each Question Carries 20 Marks)**

1. Write an algorithm and draw a flowchart to calculate the sum of 1<sup>st</sup> 10 natural number.
2. Write an algorithm and draw a flowchart to reverse a number.
3. Write down the steps to install PHP on Windows operating System.
4. Write a PHP program using functions to enter two numbers and swap it without using third variables.
5. Write a PHP program to concatenate your first name and last name using function.
6. Write down the steps to write a PHP program and to run it.
7. Write a PHP program to check whether a character is a vowel or consonant.