



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
CSPL-42, 43 & 44

(Theory & Practical)

SESSION: 2019-20

DIPLOMA IN COMPUTER APPLICATIONS (DCA)

(2nd Semester)

SUBMISSION DATES FOR ASSIGNMENTS

January Session

Sl.No.	CODE	COURSE TITLE	DATE OF SUBMISSION
1	CSP-42	Web Design	Sunday, 24 th May 2020
2	CSP-43	Database Management System	Sunday, 24 th May 2020
3	CSP-44	Application Development Using PHP	Sunday, 24 th May 2020
PRACTICALS			
4	CSPL-42	Web Design Lab	Sunday, 24 th May 2020
5	CSPL-43	Database Management System Lab	Sunday, 24 th May 2020
6	CSPL-44	Application Development Using PHP Lab	Sunday, 24 th May 2020

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 counsellors 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 the 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 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, the course title, enrolment no. and study centre 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 the assignment or get fail mark in the assignment you have to re-submit in the next year.

ASSIGNMENTS

Web Design (CSP-42)

(Theory)

Full Marks - 100

Group 'A'

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

Mark: 1 X 10 = 10

- a) What does HTML stand for?
- b) What do you mean by hyperlink?
- c) Write the full form of MIME.
- d) Who develops javascript?
- e) What is the universal selector for CSS?
- f) What is padding?
- g) What does XML stand for?
- h) How many values represented by the Boolean object?
- i) What is a Pseudo Class?
- j) Which CSS property is used to control the text size of an element?

Group 'B'

Q. No 2. (Word Limit: 100 Words)

Marks: 5 X 4 = 20

- a) What is Frame in HTML? What are the different types of attributes in frameset?
- b) What is Javascript? Write the syntax of Javascript.
- c) What is XML? Write its characteristics.
- d) What is Cookies? Give a brief idea.

Group 'C'

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

Marks: 10 X 4 = 40

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

Group 'D'

Q. No 4. (Word limit: 300 Words)

Marks: 15 X 2 = 30

- a) What are the three types of CSS selectors? Explain briefly.
- b) Write a JavaScript program to display the Fibonacci series of 10 terms.

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 RDBMS stands for?
- b) Define Normalization.
- c) Which language is responsible for manipulating records?
- d) Give an example of DML and DDL language.
- e) Define Full Functional Dependency?
- f) What is a Candidate 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: 100 Words)

Marks: 5 X 4 = 20

- a) Differentiate between static and dynamic SQL.
- b) What is decomposition? Write the properties of decomposition.
- c) What are the different responsibilities of a DBA?
- d) State the difference between Primary key and Unique key with example.

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? Discuss different Integrity constraints with example.
- c) Explain Functional Dependency with an example.
- d) Explain the Third Normal Form with an example.

Group 'D'

Q. No 4. (Word Limit: 300 Words)

Marks: 15 X 2 = 30

- a) Discuss the Three-tier Architecture of Database and use of mapping between schema levels.
- 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)

Mark: 1 X 10 = 10

- What does PHP stand for?
- PHP is an example of _____ scripting language.
- PHP is a case sensitive (True/False).
- What is the difference between PHP and JavaScript?
- Which function is used to get ASCII value of a character in PHP?
- Which function is used to get the length of a string variable in PHP?
- Write the syntax to create an object in PHP.
- In PHP, each statement must be ends with _____.
- What is the full form of URL?

Group 'B'

Q.No.2 (Word Limit: 100 words)

Mark: 5 X 4 =20

- What are the characteristics of PHP variables?
- What is Super Global? What are the Super Global used in PHP?
- What are the different type of PHP variables?
- Differentiate between ECHO and PRINT command in PHP.

Group 'C'

Q.No3. (Word Limit: 200 words)

Mark: 10 X 4 = 40

- What are the common uses of PHP? In how many ways we can embed PHP code in an HTML page.
- Explain different types of constants in PHP.
- What are the rules to declare a PHP variable? What is the scope of PHP variables?
- What is form? What are the input types and their use?

Group 'D'

Q.No4. (Word Limit: 300 words)

Mark: 15 X 2 = 30

- Write a PHP program to check an input number is odd or even.
- 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 All the questions (Each Question Carries 20 Marks)

1. Write an HTML program using the table to display your postal address using different tags of the table.
2. Create the following HTML document using notepad.

Regional Centre	Number of students	
	Male	Female
Sambalpur	2988	2077
Bhubaneswar	2041	1099
Berhampur	2088	2098
Koraput	1289	1097

3. Design an EMPLOYEE INFORMATION SYSTEM for online employee management system using HTML and JavaScript
4. Write a CSS code to
 - a. Set the border-spacing for a table
 - b. A heading with a 1px thick right border
5. Explain the steps that are used to run an HTML program on a web browser and also write a code in HTML to show exam schedule of Term End Exam Schedule Dec 2019 of OSOU

ASSIGNMENTS

Database Management System Lab (CSPL-43)

(Practical)

Full Mark – 100

Answer All the questions (Each Question Carries 20 Marks)

1. Write the SQL query for the following:
 - a) Insert emp_id, name, DOJ, DOB, address, email_id, phone number, dept._name, salary in an employee table.
 - b) To find out the highest salary from the above employee table.
 - c) To find the details of the employee working in the same department.
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. Draw an ER diagram for “Student Management System for OSOU”.
4. Write down the Data Manipulation Language Commands with syntax and example.
5. Write down the Transaction Control Language commands with syntax and example.

ASSIGNMENTS

Application Development using PHP Lab (CSPL-44)

(Practical)

Full Mark – 100

Answer All the questions (Each Question Carries 20 Marks)

1. Write an algorithm and draw a flowchart to reverse a number.
2. Write an algorithm and draw a flowchart to calculate the sum of 1st 10 natural number.
3. Write down the steps by step procedure to install PHP on Windows operating system.
4. Create an HTML form “Student_Details”, add the data into it and submit it to the database by connecting it to MySQL database using PHP.
5. Write a PHP Program to print the following pattern:-

```

*
* * *
* * * * *
```