



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: 2020-21

DIPLOMA IN COMPUTER APPLICATIONS (DCA)

(2nd semester)

SUBMISSION DATES FOR ASSIGNMENTS

SESSION (2020-2021)			
Sl.No.	CODE	COURSE TITLE	DATE OF SUBMISSION
1	CSP-42	Web Design	Sunday, 28th Feb.2021
2	CSP-43	Database Management System	
3	CSP-44	Application Development Using PHP	
PRACTICALS			
4	CSPL-42	Web Design Lab	Sunday, 28th Feb.2021
5	CSPL-43	Database Management System Lab	
6	CSPL-44	Application Development Using PHP Lab	

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.....**COURSE TITLE:**.....

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

(THEORY)

ASSIGNMENTS
Web Design (CSP-42)

(Theory)

Full Mark-100

Group 'A'

Q. No. 1. Answer all the questions, each within one word or one sentence. Marks: 1 × 10 = 10

- a) How many ways to build style sheet?
- b) What do you mean by hyperlink?
- c) What is the representation of 6 digit Hexa code?
- d) Who develops java script?
- e) What are the 3 types of selectors?
- f) Write the syntax of java script?
- g) What is Cookies?
- h) Write the three properties of border.
- i) What is Variable?
- j) What is Operator?

Group 'B'

Q. No 2. Short answer-type Questions (Word Limit: 100 Words) Marks: 5 X 4 = 20

- a) What is XML? Write its characteristics.
- b) What are the different properties of table in CSS?
- c) Write the few major difference of outline in CSS.
- d) Write the structure of HTML document?

Group 'C'

Q. No 3. Medium answer-type Questions (Word Limit: 200 Words) Marks: 10 X 4 = 40

- a) What is Marquee Tag & write its attributes?
- b) Differentiate between HTML and XHTML.
- c) Explain different types of operators in JavaScript with an example.
- d) What is loop? Explain different types of loops in JavaScript.

Group 'D'

Q. No 4. Long answer-type Questions (Word Limit: 300 Words) Marks: 15 X 2 = 30

- a) What is Frame in HTML? What are the different types of attributes in frameset?
- b) Write a JavaScript program to display the prime numbers with the range of 50.

ASSIGNMENTS
Data Base Management System (CSP-43)
(Theory)

Full Marks – 100

Group ‘A’

Q. No 1. Answer all the questions, each within one word or one sentence. Marks: 1 × 10 = 10

- a) DBMS stands for_____?
- b) Define 1NF.
- c) _____refers to the tools used to add to and update the data within a database?
- d) Every unique key is a primary key (True/False).
- e) Minimal Super Keys are called _____.
- f) The overall description of database is called _____.
- g) What is SQL?
- h) Which technique is used to organize the data in the Database?
- i) What is the full form of ACID in term of database transaction?
- j) In mathematical term, Table is referred to as _____.

Group ‘B’

Q. No 2. Short answer-type Questions (Word Limit: 100 Words) Marks: 5 X 4 = 20

- a) Define data model. Name different types of record based data models.
- 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. Medium answer-type Questions (Word Limit: 200 Words) Marks: 10 X 4 = 40

- a) Define a database system. Write the characteristics of a database system.
- b) Discuss the three-tier architecture of databases.
- c) Explain *Transitive Dependency* with an example.
- d) Explain the different states of transaction.

Group ‘D’

Q. No 4. Long answer-type Questions (Word Limit: 300 Words) Marks: 15 X 2 = 30

- a) What is Normalization? Explain 1NF, 2NF, 3NF with example.
- b) What is a transaction? What are its properties? Explain briefly.

ASSIGNMENTS
Application Development Using PHP (CSP-44)
(Theory)

Full Mark – 100

Group ‘A’

Q. No. 1 Answer all the questions, each within on word or one sentences **Marks: 1 × 10= 10**

- a) Which function is used to get the length of the string?
- b) Which of the function sorts an array in reverse order?
- c) Does PHP support multiple inheritances?
- d) Write the equivalent statement of \$add += \$add?
- e) If \$a = 12 what will be returned when (\$a == 12) ? 5 : 1 is executed?
- f) Write the syntax to define a function in PHP?
- g) Which version of PHP was added with Exception handling?
- h) What does SPL stand for?
- i) When you use the \$_GET variable to collect data, the data is visible to _____
- j) Which method should not be used while sending passwords or other sensitive information?

Group ‘B’

Q. No 2. Short answer-type Questions (Word Limit: 100 Words) **Marks: 5 X 4 = 20**

- a) What is the difference between \$_GET[] and \$_POST[].
- b) How will you set cookies using PHP?
- c) What is the purpose \$_REQUEST variable?
- d) What is associate array? Give an Example.

Group ‘C’

Q. No 3. Medium answer-type Questions (Word Limit: 200 Words) **Marks: 10 X 4 = 40**

- a) What are the differences between Get and post methods in form submitting. Give the case where we can use get and we can use post methods?
- b) What are the features and advantages of object-oriented programming?
- c) What are the differences between procedure-oriented languages and object-oriented languages?
- d) In how many ways we can retrieve the data in the result set of MySQL using PHP with examples?

Group ‘D’

Q. No 4. Long answer-type Questions (Word Limit: 300 Words) **Marks: 15 X 2 = 30**

- a) How to connect a database and execute a SQL query? How to fetch its result from database table?
- b) Explain the concept of inheritance with suitable example.

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. Write the HTML program to design a webpage of the student entry form using name, age, gender, photograph, Date of birth, place of birth with photographs.
3. Create a HTML webpage for a restaurant with three frames. The first frame will be horizontal on displaying the name and address of restaurant. Second frame which is vertical on left will list the available food items. The third frame will be to the right of second frame and will display the introduction to the restaurant.
4. Design an EMPLOYEE INFORMATION SYSTEM for online employee management system using HTML and JavaScript
 5. Create an advertisement page of your own products using HTML, CSS, and JavaScript. Use photographs wherever required.

ASSIGNMENTS
Data Base Management System Lab (CSPL-43)
(Practical)

Full Mark – 100

Answer All the questions (Each Question Carries 20 Marks)

1. Write down the step wise procedure to install My SQL on Windows operating system.
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 “Online Admission System of OSOU”.
4. Write down the Data Definition Language (DDL) Commands with syntax and example.
5. How we restore and recover the whole database in any Database System. Explain step by step.

ASSIGNMENTS

Application Development using PHP Lab (CSPL- 44)

(Practical)

Answer All the questions (Each Question Carries 20 Marks)

1. Write an algorithm and draw a flow chart to prepare noodle.
2. Write a PHP program to inserting two values in a form and find the Addition, Subtraction, multiplication and Division of given number.
3. Write a program in PHP to print Fibonacci series. 0, 1, 1, 2, 3, 5, 8, 13, 21, 34
4. Write a program in PHP to calculate area of Rectangle with Form.
5. Write a PHP program to display a Floyd's Triangle?

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