



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

ASSIGNMENTS

CSP- 45, 46 & 47

(Theory & Practical)

SESSION: 2019-20

PG DIPLOMA IN COMPUTER APPLICATIONS
PGDCA

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.....**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 assignment or get fail mark in assignment you have to re-submit in the next year.

SUBMISSION DATES FOR ASSIGNMENTS**July Session**

Sl. No.	Course Code	Name of the Course	Last Date of Submission	Day (As per Calendar)
Theory				
1	CSP-45	Programming in Java	20th October 2019	Sunday
2	CSP-46	Introduction to Android Programming & Python	20th October 2019	Sunday
3	CSP-47	Introduction to Multimedia & Photoshop	20th October 2019	Sunday
Practical				
4	CSPL-45	Programming in Java Lab	20th October 2019	Sunday
5	CSPL-46	Introduction to Android Prog. & Python Lab	20th October 2019	Sunday
6	CSPL-47	Introduction to Multimedia & Photoshop Lab	20th October 2019	Sunday

ASSIGNMENTS
PROGRAMMING IN JAVA (CSP-45)
(Theory)

Full Mark – 100

GROUP- 'A'

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

- a) Who has developed JAVA?
- b) What are OOPS?
- c) What are the different editions of JAVA?
- d) What is JVM?
- e) Write the command to compile and run JAVA Program.
- f) What is Unary operator in JAVA?
- g) Write the syntax for initialization of Array.
- h) Write the syntax to create an object in java.
- i) What is Wrapper class?
- j) Write the syntax to convert string to integer.

Group 'B'

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

- a) Explain why java is Platform independent?
- b) What is the difference between while and do while loop?
- c) How a simple java program to print your name?
- d) Notes on Auto Boxing and Auto Unboxing.

Group 'C'

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

- a) Differentiate between C++ and JAVA.
- b) Explain how JVM Works.
- c) What are the difference between Applet and Application program
- d) What is user defined Package? Explain with a suitable example.

Group 'D'

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

- a) Explain the features of JAVA.
- b) What is Exception? Explain about throw, throws and finally with proper example.

ASSIGNMENTS

Introduction to Android Programming & Python (CSP-46)

(Theory)

Full Mark – 100

GROUP- 'A'

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

- a) What is the latest version of Android OS?
- b) What is Android?
- c) _____ tablet was the first device to run Honeycomb?
- d) Name two device that run on Android OS.
- e) What is Dalvik Virtual Machine?
- f) Name two framework that is used to develop Android Application.
- g) Write the syntax to create an object in Python.
- h) What is the latest version of Python?
- i) Write the symbol used for commenting in python.
- j) Android is open source. (True/False)

Group 'B'

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

- a) What is the role of an Android emulator?
- b) Write a note on void function in python.
- c) How a simple python program to print your name?
- d) Notes on Lambda Function in Python.

Group 'C'

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

- a) Explain different Android platform versions and their features.
- b) Explain the Android Architecture with proper diagram.
- c) Write a Python Program to Check a number is prime or not.
- d) Write the steps for Downloading and installation of Python software on Windows OS.

Group 'D'

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

- a) Show the steps to create a new Android project in Android Studio.
- b) Notes on join(), split(), and replace() Methods in Python.

ASSIGNMENTS**Introduction to Multimedia & Photoshop (CSP-47)**
(Theory)**Full Mark – 100****GROUP- 'A'****Q. No. 1 Answer all the questions, each within one word or one sentences** **Marks: 1 × 10= 10**

- a) Name any two common pointing devices.
- b) Which Tool is used to remove scars from face?
- c) What is Nibble?
- d) What is the use of ROM?
- e) Define Operation System.
- f) Define Embedded System?
- g) Multimedia presentation is made up of five elements. What are they?
- h) What is Frames per second?
- i) What is YouTube?
- j) Name four Popular Social Networking Sites.

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

- a) Explain the steps to Steps of writing a CD/DVD using Nero.
- b) What is Facebook? write the benefit of Facebook.
- c) Notes on Marque Tools in Photoshop.
- d) Differentiate between Color Picker Tool and Color Sampler Tool.

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

- a) Define OS. What is the basic difference between Windows OS and Unix OS?
- b) Explain ISO Reference Model.
- c) What is Animation? Differentiate between 2D and 3D Animation.
- d) Write the steps to remove the background of an image in Photoshop.

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

- a) What is G-mail? What is its use? Write the steps to create a Gmail Account.
- b) What is Digital Image Format? Explain about different Audio and Video Format.

ASSIGNMENTS

PROGRAMMING IN JAVA LAB (CSPL-45)

(Practical)

Full Mark – 25

Answer All the Questions (each question carries 05 marks)

1. Write a java program to check leap year or not
2. Write a java program to sort elements in an array in ascending order.
3. Write a java program to remove the duplicated values from an array.
4. Write a java using throw keyword.
5. Write a java to Find GCD of two Numbers.

ASSIGNMENTS

Introduction to Android Programming & Python Lab (CSPL-46)

(Practical)

Full Mark – 25

Answer All the Questions (each question carries 05 marks)

1. Write a Python program to Check Whether a Number is Palindrome or Not.
2. Write a Python program to demonstrate Addition of elements in a List
3. Write a Python program to sort elements in an array in descending order.
4. Write a Python program to print all prime number between 100 to 200.
5. Write a Python program to show the grade of a student. Grades are shown as below
 - 90 or above is equivalent to an A grade
 - 80-89 is equivalent to a B grade
 - 70-79 is equivalent to a C grade
 - 60-69 is equivalent to a D grade
 - 59 or below is equivalent to an F grade

ASSIGNMENTS

Introduction to Multimedia & Photoshop Lab (CSPL-47)

(Practical)

Full Mark – 25

Answer All the Questions (each question carries 05 marks)

1. Write the steps create a Facebook Account.
2. What is Blog? Why it is useful? Write the steps to create your own Blog.
3. Write the steps create a WhatsApp Account.
4. Write the steps to install Photoshop.
5. What is Red eye Tool? Show the step of its use.