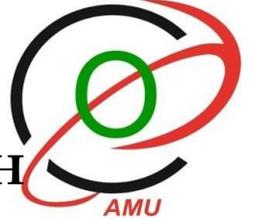




**CENTRE FOR DISTANCE AND
ONLINE EDUCATION
ALIGARH MUSLIM UNIVERSITY, ALIGARH**



ASSIGNMENT COVER PAGE

Session: January 2022

Name of Student: - _____

Father's Name and Address: - _____

Aadhar No: - _____

Recent Mobile No: _____

Email-ID: - _____

Name of Course: B.Sc. (Computer Science) Semester: Fifth

Admission No: - _____ **Enrolment No:-** _____

Paper Title & Code: - _____

NECESSARY INSTRUCTIONS

1. Cover Page must be filled in Capital Letters. All Fields of the Form is compulsory to be filled.
2. Student will provide his/her own working Mobile Number and Email Id for registration and thesame will be used in his/her complete academic sessions.
3. The assignment should be written on A4 size paper and in neat and clean handwriting.
4. The cover page should be stapled at the front of each and every assignment.
5. Assignment has to be submitted at Johnson Compound (Near Exhibition Ground), AMU, Aligarh or Send the Soft Copy of Assignment to cdeonlineassignments@gmail.com
6. Incomplete Assignments will not be accepted.
7. The last date for submission of the assignment is **28 May 2022**.

CENTRE FOR DISTANCE AND ONLINE EDUCATION

Aligarh Muslim University, Aligarh

Session- January 2022

B.Sc. (Computer Science) V-Semester

Linux Programming (CC-501)

ASSIGNMENT

Maximum Marks: 20

Attempt any two questions.

1. Explain the following commands:
 - a. Cp
 - b. Mkdir
 - c. rm
2. Write a note on different types of processes.
3. State the difference between Bash Shell and Tcsh Shell.
4. State the difference between grep and sort command. Give example to support your answer.

CENTRE FOR DISTANCE AND ONLINE EDUCATION

Aligarh Muslim University, Aligarh

Session- January 2022

B.Sc. (Computer Science) V-Semester

Programming in Java (CC-502)

ASSIGNMENT

Maximum Marks: 20

Attempt any two questions.

1. Define the following:
 - a) Object oriented paradigm of Java programming
 - b) Inheritance and encapsulation
 - c) Polymorphism and method overriding
 - d) Abstract classes
2. Write a java program to convert a text file into their equivalent bytes file.
3. Write a java program to implement:
 - a) Constructor overloading
 - b) Method overriding
 - c) Multiple inheritance

CENTRE FOR DISTANCE AND ONLINE EDUCATION

Aligarh Muslim University, Aligarh

Session- January 2022

B.Sc. (Computer Science) V-Semester

Practical Lab (Programming in Java) (CC-5P1)

ASSIGNMENT

Maximum Marks: 100

Attempt any ten questions.

1. WAP to find the average and sum of the N natural numbers using command line argument
2. WAP to demonstrate type casting.
3. WAP to find the number of arguments provide at runtime.
4. WAP to test whether a number is prime or not.
5. WAP to calculate the Simple Interest (S. I.) and Input by the user.
6. WAP to create a simple class to find out the area and perimeter of rectangle and box using super and this keyword.
7. WAP to find Greatest Common Divisor (G.C.D.) of two numbers.
8. WAP to design a class account using the inheritance and static that show all function of bank (withdrawal, deposit).
9. WAP to find the factorial of a given number using recursion.
10. WAP to design a class using abstract methods and classes.
11. WAP to implement Binary search by using the library function 'public static int binarySearch(data_type arr, data_type key)' of java.util.Arrays.
12. WAP to implement the 'run()' method of Java's Runnable interface. Create a thread and test the following methods:
 - a) Sleep
 - b) Resume
 - c) Start
 - d) stop
