KRISHNA KANTA HANDIQUI STATE OPEN UNIVERSITY

Hiranya Chandra Bhuyan School of Science and Technology

HOME ASSIGNMENT FOR MASTERS OF SCIENCE IN INFORMATION TECNOLOGY

FIRST SEMESTER, 2023

N.B: The learners will have to collect receipt after submitting the assignment with the signature and seal of the collector of study centre and will have to keep with him/her till the declaration of result.

✂.....

Receipt

Received the assignment from Mr/Ms……..
Enrollment Number …… of 1st Semester, 2023 MSc IT on ...../...…/2023/2024.

Date: **Signature of collector with seal**

KRISHNA KANTA HANDIQUI STATE OPEN UNIVERSITY

(Hiranya Chandra Bhuyan School of Science and Technology)

Home Assignment
MSc IT 1st Semester, 2023

PC Software

Total Marks: 50

Assignments are required to be written in your own language, copying in to from the learning material will carry less score.

***Last Date of Submission:** 10 January 2024*

A. Answer the following questions: 4x10=40 Marks

Q1. Examine and explain the multifaceted functions of an operating system in modern computing environments. Explore in detail its role in process management, memory management, file system organization, device management, and user interface facilitation.

Q2. Discuss the comprehensive capabilities and features of LibreOffice Writer as a powerful open-source word processing software.

Q3. Discuss the comprehensive functionalities of LibreOfficeCalc as a spreadsheet software, covering topics such as data entry and manipulation, formula creation and management, cell formatting options, data analysis tools, and collaborative features.

Q4. Write a note on the comprehensive capabilities of LibreOffice Base as a relational database management system. Outline the key features and tools available within LibreOffice Base for database design, creation, and management.

B: Answer the following: 10 marks

Q5. Examine the intricate relationship between electronic waste (e-waste) and environmental sustainability. Provide an in-depth analysis of the environmental impact of improperly managed e-waste, considering factors such as hazardous materials, pollution, and resource depletion.

Assignment Guidelines

The following are some important guidelines for writing your assignment responses:

- Make sure that you have answered all the questions of an assignment before you submit it inthe study center. Incomplete assignments shall bring you poor grades, or non-submission of assignments in time may lead to withholding of results.
- Answer the questions of the assignment as directed after a careful study of the Units available in the SLMs.
- You should ***not send printed articles*** as your answers for assignments, nor should you reproduce the text of the SLMs verbatim. Write assignments in your ***own words and in your own handwriting*.** Typed assignment responses are never allowed.
- The assignments should be written on an A4 size sheet or a foolscap size blank paper.
- Assignments should only be written in blue or black ink colour pen.
- **The assignments should have a first page/ cover page. The first page/ cover page should have the following details:**

  Programme Name: .....

  Name:..... **Enrolment Number:**.....

  Course Title:..... **Study Centre Code:**.....

  Date of Submission:..... **Phone No and Email id:**.....
- Ensure that you keep a copy of the assignment responses with yourself. You might need them in case you have to re-submit the assignment responses due to some unforeseen circumstances.
- While submitting the assignment, don't forget to collect the receipt.
- Be precise in your response. Keep the word limit of the assignments in mind.

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KRISHNA KANTA HANDIQUI STATE OPEN UNIVERSITY

(Hiranya Chandra Bhuyan School of Science and Technology)

Home Assignment
MSc IT 1st Semester, 2023

DSE: Open Source Software

Total Marks: 50

Assignments are required to be written in your own language, copying in to from the learning material will carry less score.

***Last Date of Submission:** 10 January 2024*

A. Answer the following questions: 4x10=40 Marks

Q1. Write down the template for report class and create the first page of a report on "Application of Artificial Intelligence in Healthcare" submitted for the partial fulfillment of MSCIT degree at KKHSOU.

Q2. Differentiate between Scilab and Matlab. What are the different conditional statements? Give an example showing the use of select case conditional statements.

Q3. Explain the different data types in Python using examples. Write a Python program to count positive and negative numbers in a list.

Q4. Create a resume using article class. Enter the fields: Personal details, Education, Computer Skills, Programming Skills and Employment History.

B: Answer the following: 10 marks

Q5. What are the different types of e-waste? Describe how e-waste management is done.

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