KRISHNA KANTA HANDIQUI STATE OPEN UNIVERSITY
Hiranya Chandra Bhuyan School of Science and Technology
Home Assignment

Master of Science in Information Technology (MScIT)
DSE: Open Source Software
1st Semester, 2024
Total Marks: 50

- **The Home Assignment should be written in your own language only.**
- **Copying from the Self Learning Material or from others shall result in deduction of marks.**
- **The last date of submission of the Home Assignment is 31/05/2024.**

Q1. Discuss the advantages of using LaTeX over traditional word processors for academic and scientific writing. Write LaTeX codes for creating a list-making environment for a shopping list. Include items categorized by type (e.g., fruits, vegetables, dairy product). (10)

Q2. Write the steps to install and remove packages in Scilab. Show how we can plot a 2D plot using data providing an example. (10)

Q3. How can we define our own function in Python? Discuss the advantages of using Python as a programming language for web development. (10)

Question related to environment

Q4. Describe the main sources of e-waste generation and the factors contributing to its rapid growth. Also write the potential benefits of e-waste recycling.

(10)

Additional question in lieu of MCQ

Q5. Compare and contrast the usage of different LaTeX document classes, including article, book, report, beamer, and letter. Discuss the suitability of each class for specific types of documents and presentations. (10)

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.

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Receipt

Received the assignment from Mr/Ms ……..……. Enrollment number……of …… 1st semester (2024) on…….....2024.

Date: Signature of collector with seal: