

162



(University of Choice)

MASINDE MULIRO UNIVERSITY OF

SCIENCE AND TECHNOLOGY

(MMMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DIPLOMA IN:

INFORMATION TECHNOLOGY

COURSE CODE: DBT 072

COURSE TITLE: PRINCIPLES OF GREEN ICT.

DATE: Tuesday 19/04/2022 TIME: 3:00p.m-4:30p.m

TIME: 1 HOUR 30 MINUTES

INSTRUCTIONS Answer ALL questions in section A and any THREE in section B;

MMMUST observe Zero tolerance to examination cheating

SECTION A: 24 MARKS ANSWER ALL QUESTIONS

- a. What is Green IT? What are the motives behind Green IT practices?
5 Mks
- b. Explain three e-waste management policies 6 Mks
- c. What are the standards and policies of green? 6 Mks
- d. Give two ways of disposing ICT equipment 4 Mks
- e. List three ways of how ICT is used to reduce of an institution on the environment
3 Mks

SECTION B (40 MKS) Attempt any four questions

1. a). What is a carbon footprint? 3 Mks
b). List and Explain three different steps used to measure your carbon footprint. 15 Mks
2. a). What Is Automatic Test Equipment (ATE)? 3 Mks
b). Explain any three low cost devices for checking power on workstations
15 Mks
3. a). What is the role of ICT in sustainable product life cycle?. 6 Mks
b). List and explain different phases of product life cycle. 18 Mks
4. a). How does the greenhouse effect work? 4 Mks
b). What's the difference between the enhanced greenhouse effect and ozone depletion? 8 Mks
c). How do you use ICT to reduce the burden on the environment? 6 Mks

END