



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## UNIVERSITY EXAMINATIONS 2023/2024

FIRST YEAR SECOND SEMESTER EXAMINATION FOR DIPLOMA IN PROJECT  
MANAGEMENT

### ICT/CU/IT/CR/2/6: INSTALL COMPUTER SOFTWARE

**DATE: APRIL 2023**

**TIME: 3HOURS**

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**INSTRUCTIONS: Answer Question ONE and any other THREE questions.**

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#### QUESTION ONE (40 MARKS)

1. Define the following terms as used in computers (3 marks)
  - i. Installation
  - ii. File system
  - iii. Operating System
2. Explain the importance of software updates and how they can be installed. (6 marks)
3. Define the term Installer as used in software installation. (2 Marks)
4. Give four different functions of the boot during installation (4 marks)
5. Difference between hosted software and locally installed software? (2 marks)
6. Describe any Four functions of an operating system (8 marks)
7. What is a software dependency and how do you resolve a dependency issue during installation? (3 marks)
8. Briefly describe the boot sequence (4 marks)
9. What are the advantages and disadvantages of using a virtual environment for software installation? (4 marks)
10. Differentiate the following terms as used in the installation of computer software (4 marks)
  - a) Firmware and Software



b) Operating system and Utility Software

**SECTION B (60 MARKS)**

11. a) Explain how to create a system restore point in Windows 10 and why this is an important step before installing new software or drivers (5 marks)
- b) Explain the importance of regular backups and describe the process of creating a full system image backup using built-in Windows tools (e.g. Windows Backup and Restore). (15 marks)
12. a). What steps would you take to ensure a computer is properly protected against malware, including viruses, Trojans, and spyware? (10 marks)
- b). Describe the process of installing and configuring an antivirus software to provide maximum protection. (10 marks)
13. a) Broadly explain the differences between application software and system software. (8marks)
- c) Explain how hard disk partitioning is done, and the advantages of disk partitioning (7marks)
- d) Define a device driver and describe the importance of having device drivers. (5 Marks)
14. a) Explain how you can add a program shortcut on the desktop (4 marks)
- b) Discuss the step-by-step procedure of installing the operating system (12 marks)
- c) Briefly describe the boot sequence (4 marks)

