



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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UNIVERSITY EXAMINATIONS 2023/2024

FIRST YEAR, SECOND SEMESTER EXAMINATION FOR DIPLOMA IN INFORMATION TECHNOLOGY AND CERTIFICATE IN INFORMATION TECHNOLOGY AND

CIT 1214 / CIT 2214: ASSEMBLY AND MAINTENANCE OF PC

DATE: DECEMBER 2024

TIME: 1½ HOURS

INSTRUCTIONS: Answer Question ONE and any other TWO questions.

QUESTION ONE (30 MARKS)

- a) Explain with examples with examples the hardware tools used in repair (5 Marks)
- b) five common problems in troubleshooting (5 Marks)
- c) What is troubleshooting process (2 Marks)
- d) Identify five methods of hardware acquisition (5 Marks)
- e) Name four categories of hardware tools (4 Marks)
- f) Identify six trouble shooting processes (6 Marks)
- g) Define booting process (3 Marks)

QUESTION TWO (15 MARKS)

- a) What is an expansion slot (2 Marks)
- b) Discuss the advantages of functional testing (5 Marks)
- c) Discuss four types of Maintenance (4 Marks)



MUST is ISO 9001:2015 and



ISO/IEC 27001:2013 CERTIFIED

QUESTION THREE (15 MARKS)

- a) Identify and explain Various ways to preform specific component test in hardware. (5 Marks)
- b) Discuss three ways of new hardware acquisition (5 Marks)
- c) Create a list of vendor evaluation assessment tool. (5 Marks)

QUESTION FOUR (15 MARKS)

- a) Outline the process of troubleshooting (5 Marks)
- b) Identify types of port in the computer hardware devices (6 Marks)
- c) List four relationships between the hardware and computer software (4 Marks)

QUESTION FIVE (15 MARKS)

- a) Outline six ways to improve the hardware performance (5 Marks)
- b) What is a computer virus? (2 Marks)
- c) Explain what the causes of overheating of Microprocessor are. (2 Marks)
- d) Name three basic computer laboratory safety measures (3 Marks)
- e) Discuss the signs of hardware failure (5 Marks)

