



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF ENGINEERING AND TECHNOLOGY

UNIVERSITY EXAMINATIONS FOR THE DIPLOMA IN CIVIL ENGINEERING
(TVET)

1ST YEAR 2ND SEMESTER 2023/2024 ACADEMIC YEAR

CENTRE: MAIN CAMPUS

COURSE CODE: TDE 2125

COURSE TITLE: WORKSHOP TECHNOLOGY PRACTICES

EXAM VENUE: STREAM: Dip CIVIL ENGINEERING

DATE: ../04/2024 EXAM SESSION:

DURATION: 2 HOURS

Instructions

- 1. Answer ALL questions in Section A (Compulsory) and ANY other three questions in Section B**
- 2. Candidates are advised not to write on question paper**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**

SECTION A (30 Marks)

1. a) State and explain 6 masonry workshop safety requirement (12 Marks)
- b) State 6 plumbing tools and state the purpose of each tool. (12 Marks)
- c) Distinguish between renewable and non-renewable sources of energy and give 3 examples in each case. (6 Marks)

SECTION B (40 Marks)

2. a) State 5 masonry tools and state the purpose of each tool. (10 Marks)
- b) State and explain five maintenance practices of masonry tools. (10 Marks)
3. a) State and explain five plumbing safety workshop requirement. (10 Marks)
- b) State and explain five maintenance practices of masonry tools. (10 Marks)
4. a) State and explain 5carpentry safety workshop requirements . (10 Marks)
- b)State and explain 5maintenance practices of carpentry tools. (10 Marks)
5. a) State five IEE regulations (5 Marks)
- b) State five electrical conventional tools and state their functions. (10 Marks)
- c) State and explain five electrical safety workshop requirements. (5 Marks)
6. a) State and explain five mechanical safety requirements. (10 Marks)
- b) State five mechanical hand tools and state their purposes. (5 Marks)
- c) State and explain how water and engine pumps are maintained. (5 Marks)