



# MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

SECOND YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

DIPLOMA IN MECHANICAL ENGINEERING

MVED 203/1 BODY WORK AND PRACTICE I

DATE: 21/01/2021

TIME: 8.30-10.30 AM

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## INSTRUCTIONS

*Answer Question One and Any Other Two Questions*

### QUESTION ONE (30 MARKS)

- a) Name and explain causes of THREE hazards associated with the vehicle body work shop  
(15 marks)
- b) explain the first aid you will administer to a victim of the named hazards in 1a) above  
(15 marks)

### QUESTION TWO (20 MARKS)

Using illustrations explain five body work tools and their uses

### QUESTION THREE (20 MARKS)

Explain the following car body parts:

- a) Window and door pillars  
b) Windscreen and rear wind rails  
c) cantrails  
d) roof structure

### QUESTION FOUR (20 MARKS)

Explain the procedure you will use to replace a vehicles front door

### QUESTION FIVE (20 MARKS)

A vehicle has been brought to the workshop with a faulty window winding machine, explain the procedure you'll use to inspect and repair the winding machine