



MACHAKOS UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

BODY WORK THEORY

2 ½ HOURS

YEAR 1 SECOND SEMESTER

(JANUARY-APRIL)

CRAFT MODULE 1

INSTRUCTIONS TO CANDIDATES

This papers contains **FIVE** questions. attempt **ALL** the **FIVE** Questions. Marks for each section are indicated at the end of the sections.

Q1 USING a well labeled diagram, explain the construction of the vehicle body chassis. **20marks**

Q2 Illustrate the Gas welding equipment **8 marks**

b) Explain any four Gas welding butt joints **12 marks**

Q3.Using a well labeled diagram, explain the following welding techniques

i. Leftward welding **10 marks**

ii. Rightward welding **10 marks**

Q4. Explain the method used to protect vehicle bodies against

i. Oxidation and corrosion **10 marks**

ii. Heat and noise **10 marks**

Q5. a) Name and explain at least FIVE tools used in body work repair

10 marks

b) Illustrate the named tools in Q5. a) above.

10 marks