



MACHAKOS UNIVERSITY

University Examinations for 2020/2021

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

CERTIFICATE IN MOTOR VEHICLE ENGINEERING

BODYWORK

DATE: 2/9/2021

TIME: 8:30 – 11:30 AM

INSTRUCTIONS

- This paper consists of FIVE questions
- Answer all questions

1. (a) Name and explain FIVE safety measures one should observe while working in a vehicle body work. (10 marks)
(b) List at least FIVE hand tools which you expect to find in a body repair kit (10 marks)
2. Using well labelled diagram, explain the construction of a vehicle chassis. (20 marks)
3. Describe a procedure to be followed in a repair and spray painting a dent on a panel. (20 marks)
4. Using sketches explain the THREE types of flame in oxy-acetylene gas welding. (20 marks)
5. Describe the general precautions which should be taken in the storage and handling of oxygen and acetylene cylinders. (20 marks)