



MACHAKOS UNIVERSITY

University Examinations for 2020/2021

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

DIPLOMA IN MOTOR VEHICLE ENGINEERING

BODYWORK

DATE: 6/9/2021

TIME: 8:30 – 11:30 AM

INSTRUCTIONS

- This paper consists of FIVE questions
- Answer all questions

- (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. Sketch FIVE saloon body shapes and give an explanation on each shape. (20 marks)
3. Describe a procedure to be followed in a repair and spray painting a dent on a panel. (20 marks)
- (a) Sketch THREE chassis sections used on a motor vehicle. (9 marks)
 - (b) Sketch a commercial chassis frame and name the parts. (11 marks)
- (a) With aid of sketches briefly describe the function of any FOUR types of panel beating hammers. (10 marks)
 - (b) Describe the safety measures which would be necessary when using hand and small power tools in a workshop. (10 marks)