



MACHAKOS UNIVERSITY

University Examinations 2016/2017

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

**SECOND YEAR FIRST SEMESTER EXAMINATION FOR DIPLOMA IN
MECHANICAL ENGINEERING**

BODY WORK THEORY AND PRACTICE

DATE: 5/6/2017

TIME: 2:00 – 4:00 PM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

1. a) Sketch any FIVE tools used for body work and state the use for each. (10 marks)
 b) State TEN safety rules to be observed in a vehicle body shop. (10 marks)
 c) Sketch FIVE saloon body shapes and name each shape. (10 marks)
2. a) Explain FOUR classes of fire. (8 marks)
 b) Explain suitable fire extinguishers for each of the four classes of fire. (12 marks)
3. a) Sketch THREE chassis sections used on a motor vehicle. (9 marks)
 b) Sketch a commercial vehicle chassis frame and name the parts. (11 marks)
4. Explain the procedure for servicing manual door window glass winding machine of a car. (20 marks)
5. Explain the procedure for straightening a dented car bonnet and preparing the bonnet for spray painting. (20 marks)