MACHAKOS UNIVERSITY

University Examinations 2017/2018

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 1

DATE: 15/12/2017 **TIME: 2.00-4.00 PM**

INSTRUCTIONS

This paper consists of *FIVE* questions

Answer question *ONE* (compulsory) and any other *TWO* questions

1. a) Name and explain FIVE safety measures one should take while working in the VEHICLE BODY WORKSHOP (10 marks)

   b) Illustrate and explain the use of FIVE tools used in vehicle body repair (s) (20 marks)

2. Using well labelled sketches, explain FIVE car designs. (20 marks)

3. a) Name FOUR vehicles with their body on a chassis (4 marks)

   b) Using a well labelled diagram, explain the construction of a vehicle chassis (16 marks)

4. Explain the procedure you will use to remove the following body parts

   a) Car bonnet

   b) The front door

5. A vehicle is brought to the body workshop with a corroded side door, explain the procedure you will follow to remove and replace the corroded part. (20 marks)