

MACHAKOS UNIVERSITY
SCHOOL OF ENGINEERING
MECHANICAL DEPARTMENT
MOTOR VEHICLE ENGINEERING
DIPLOMA TWO SEM TWO
VEHICLE ELECTRICS AND ELECTRONICS 2
END OF SEMISTER EXAM MAY 2019

INSTRUCTIONS

Question one is compulsory

Answer any other two questions

- 1(a) State FIVE components of charging system. (5mks).
- (b) With the aid of a labeled diagram ,explain the operation of the horn relay. (10 mks)
- (c) With the aid of a sketch, explain the operation of electronic regulator. (15 mks)
2. Explain the operation of the limit switch in wiper motors using a sketch. (20 mks).
- 3 (a) Name FIVE types of gauges in a motor vehicle. (5 mks).
- (b) With the aid of a sketch, explain the operation of a bimetallic fuel gauge. (15 mks).
- 4 .Explain the procedure of servicing and repairing a faulty wiper motor. (20 mks)
5. With the aid of a diagram, explain the operation of high frequency horn. (20 mks).