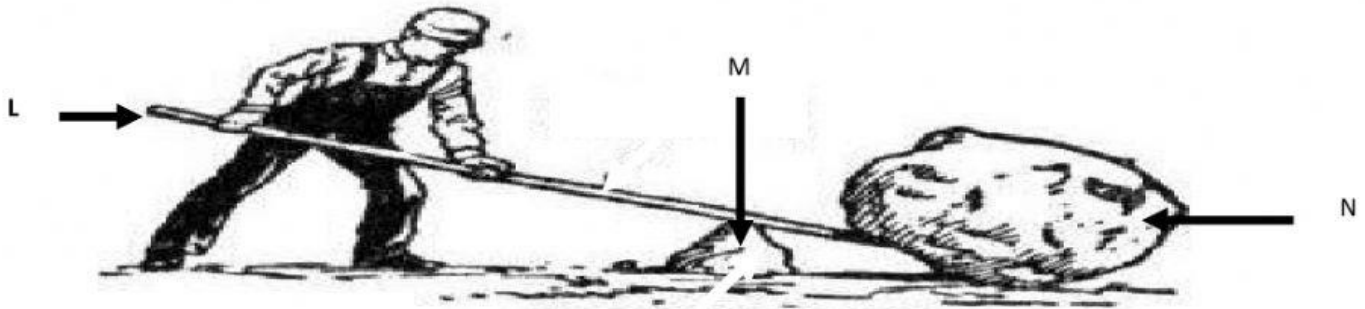


The diagram below shows how a crowbar may be used to move a block of stone. Study the diagram carefully then answer the questions which follow.



- a) What type of simple machine is the crowbar? _____ (1)
- b) Name another object or tool which belongs to the same group of simple machines.
_____ (1)
- c) Which letter represents: (3)
- i. the effort? _____ ii) the resistance _____
- iii. the pivot point _____
- d) Name **ONE** force which may affect the movement of the block.
_____ (1)

2. The diagram shows a bicycle used in a bicycle race.



- e) State one reason why a bicycle is a compound machine _____

- _____ (1)
- f) A cyclist competes in a cross country event. Name the force of the speeding cyclist, trying to slow her down, as she heads into a strong wind.
- _____ (1)
- g) Differentiate between a compound machine and complex machine? _____
- _____
- h) List **ONE** example of a complex machine: _____ (1)

TOTAL MARKS (10)
