



MACHAKOS UNIVERSITY

University Examination 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING TECHNOLOGY

FIRST YEAR SECOND SEMESTER EXAMINATION FOR

DIPLOMA IN BUILDING TECHNOLOGY

TECHNICAL DRAWING

DATE: 15/4/2019

TIME: 2:00 – 4:00 pm

INSTRUCTIONS TO CANDIDATES

Answer all the five questions

- 1) The pictorial drawing indicates shape of a machine component:

From fig 1:

Draw:

-The front elevation

-The plan

-The left end elevation

-The right end elevation

(20 marks)

- 2 Fig.2 shows the front elevation of and plan of a machine mounting block.

Using freehand sketch an isometric view of the mounting.

(20 marks)

3. a) Construct an angle of 60 degrees on a line 75mm long.

(10 marks)

- b) Print the following paragraph applying lower case

“Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.It should be apparent that all questions are printed in English.

(10 marks)

4. Draw and name five types of lines applied in Technical drawing (20 marks)
5. Make neat freehand sketches of the following types of Engineering tools:
- i) Plumb-bob
 - ii) Pair of pliers
 - iii) Club hammer
 - iv) Mason's hammer
 - v) Spirit level (20 marks)