



MACHAKOS UNIVERSITY

University Examinations for 2020/2021

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

SECOND YEAR SECOND TERM EXAMINATION FOR

CERTIFICATE IN BUILDING TECHNOLOGY

TECHNICAL DRAWING

Date: --/05/2021

Time: 8:30 -10:30 am

INSTRUCTIONS: ANSWER ALL THE FIVE QUESTIONS

1. print the following paragraph in upper case letters 8mm high. “Engineering drawing is a universal language of communication in the construction industry. This language involves the use of different types of lines, symbols and notations. The symbols and lines used appear very similar and the draughtsman must be very keen to use the appropriate one where applicable”
2.
 - a) Identity seven equipment used in drawing and state their uses. (12 marks)
 - b) State the sizes of any four drawing papers in the “A” series. (8 marks)
3. Draw the following angles using the set squares; 75° , 105° , 135° , 120° , and 150° . (20 marks)
4. Construct the following compass angles, 60° , 30° , 15° , 75° , 105° . (20 marks)
5.
 - a) Draw a rectangle ABCD where AB= 20,BC=85.By using geometrical method ,divide the rectangle into three portions in the proportions of 2:3:4. (14 marks)
 - b) Name and sketch any six types of lines used in drawing (6 marks)