



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

University Examinations 2015/2016

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

SECOND SEMESTER EXAMINATION FOR DIPLOMA IN CIVIL ENGINEERING

DIPLOMA IN CIVIL ENGINEERING

BCDECD 117: ENGINEERING DRAWING II

Date: 25/4/2016

Time: 2:00 – 4:00 pm

INSTRUCTIONS

This paper consists of FIVE questions

Answer question one and any other two questions in this paper

QUESTION ONE

- (a) Fig. 1(a) shows a block drawn in isometric projection. Copy the figure and show all the dimensions. (20 marks)
- (b) Draw the disc shown in fig 1(b) in isometric projection. (10 marks)

QUESTION TWO

Fig 2 shows a pictorial drawing in isometric projection. Draw its orthographic views in first angle projection with the front elevation viewed from the direction of arrow 'X'. Indicate all the dimensions but do not copy the figure. (20 marks)

QUESTION THREE

Draw fig.3 in third angle projection viewed from direction of arrow 'A'. Show all the dimensions but do not copy the figure. (20 marks)

QUESTION FOUR

Fig.4 shows three views of a block drawn in third angle projection. Assemble the views and produce a pictorial drawing with 'A' as the lowest point. (20 marks)

QUESTION FIVE

To a scale of 2:1 draw fig.5 in isometric projection and indicate all the dimensions. (20 marks)