TECHNICAL UNIVERSITY OF MOMBASA

INSTITUTE OF COMPUTING AND INFORMATICS

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR:

BSIT SEP 2015 J-FT /Y1S2

BIT 2111: COMPUTER AIDED ART AND DESIGN

END OF SEMESTER EXAMINATION

SERIES: APRIL 2016

TIME: 2 HOURS

DATE: Pick DateSelect MonthPick Year

Instructions to Candidates
You should have the following for this examination
-Answer Booklet, examination pass and student ID
This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.
Do not write on the question paper.

Question ONE (30 marks)

a) Define each of the following co-ordinates:
    i)   Absolute co-ordinates
    ii) Relative co-ordinates
    iii) Polar co-ordinates
    iv) User coordinate system (UCS)   (4 marks)
b) One way of drawing a circle is using centre and radius. Outline two other ways of drawing a circle. (2 marks)
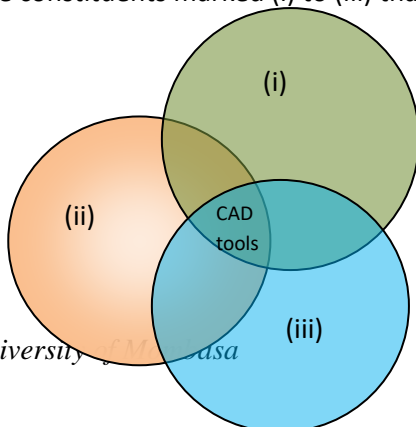c) List at least two objects found in each of the following toolbars:
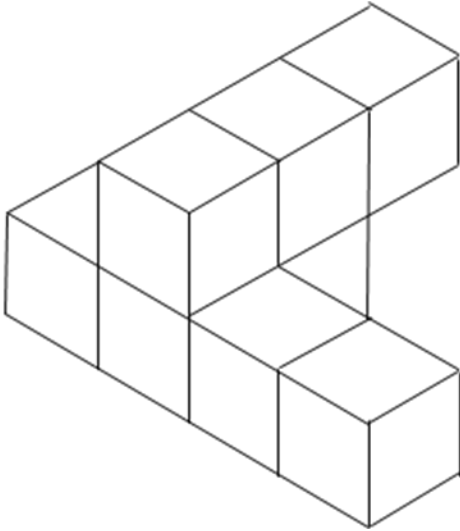   i)   Draw toolbar
    ii) Edit toolbar   (4 marks)
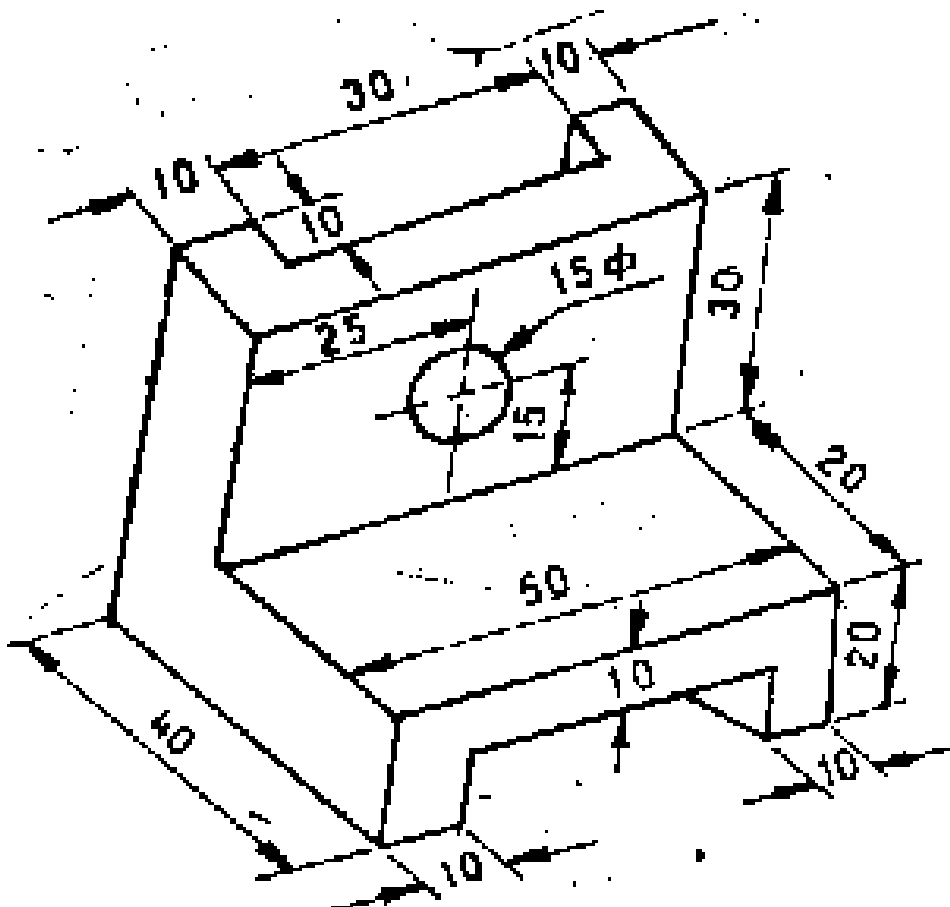d) List the three constituents marked (i) to (iii) that make up the CAD tools as shown below:

(3 marks)

e) Outline three major reasons why CAD is popular (3 marks)
f) A line is one of the various output primitives. Describe three other output primitives, outlining at least two of their attributes in each case. (6 marks)
g) Describe two types of screen, listing one advantage and disadvantage of each. (4 marks)
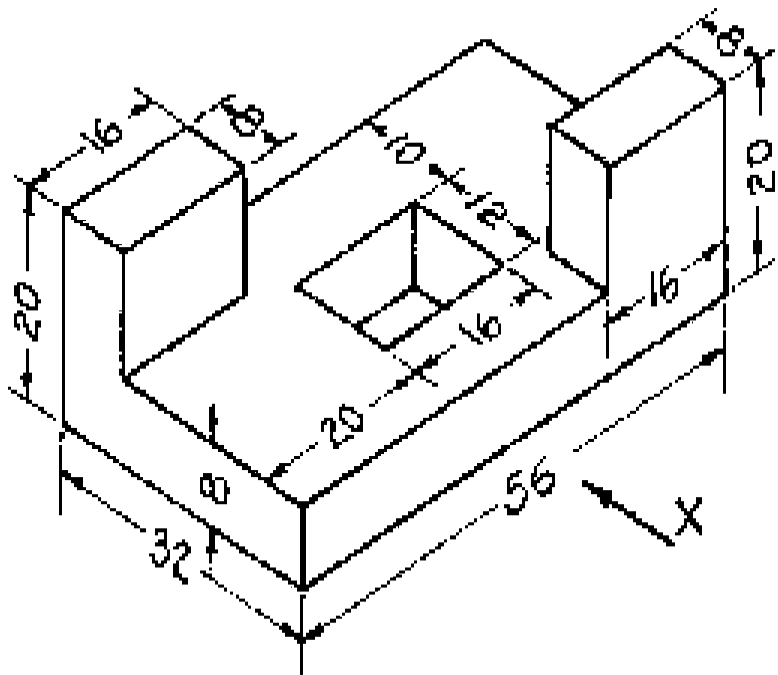h) Sketch the plan and the side elevation of the following object. (4 marks)

SECTION B (Select ONE question only)
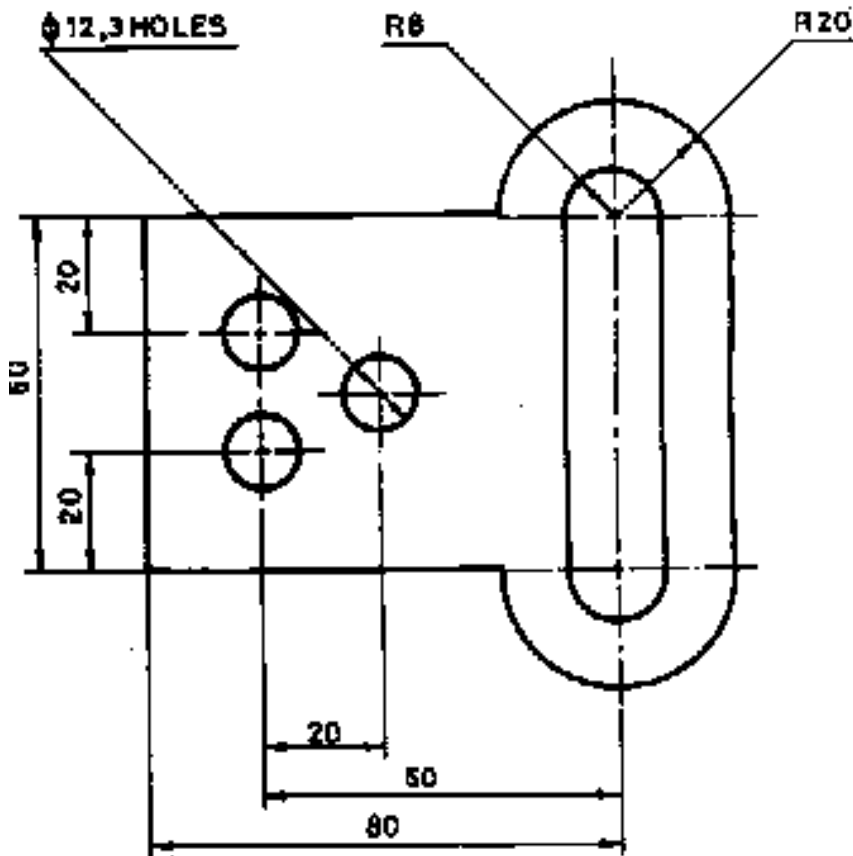
Question TWO (20 marks)

Question THREE (20 marks)

SECTION C (Select ONE question only)

Question FOUR (20 marks)

Question FIVE (20 marks)

Plate