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:APRIL2016

TIME:2HOURS

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. Attemptquestion ONE (Compulsory) and any other TWO questions.

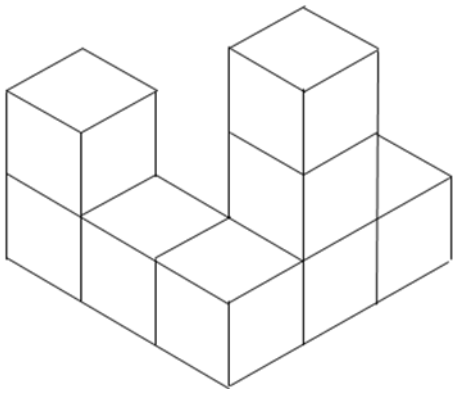
Do not write on the question paper.

Question ONE (30 marks)

a) Define the following terms:
   i). Vertex (1 mark)
   ii). CAD (1 mark)
   iii). Edge. (1 mark)

b) State two common graphic file format (2 marks)

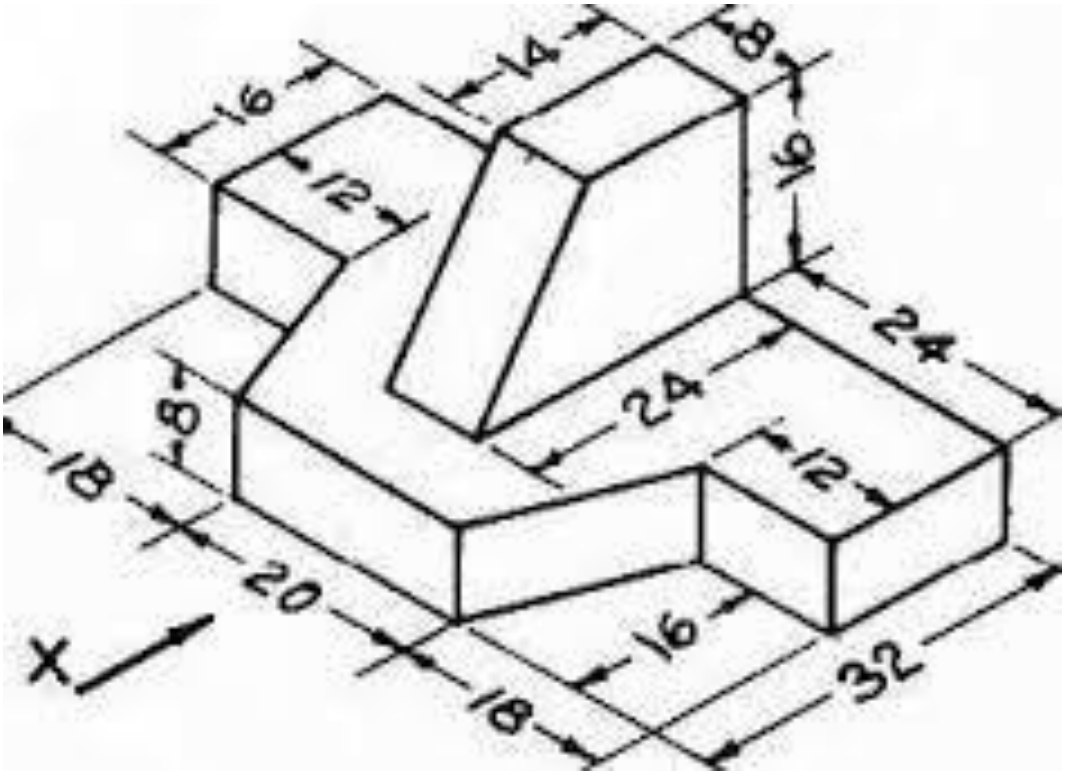
c) Sketch the plan, front elevation and side elevation of the following object. (3 marks)



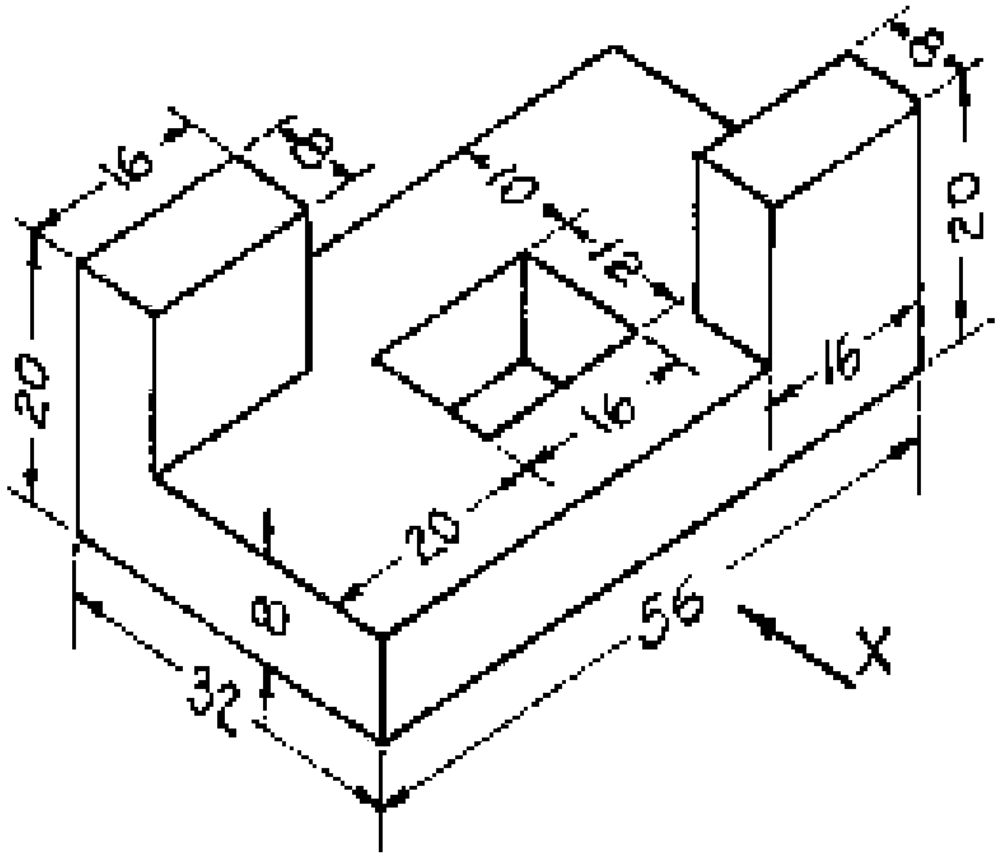
d) Describe three basic methods for creating surfaces in CAD. (3 marks)
e) Describe line output primitive, stating two properties of an ideal line. (3 marks)
f) Using suitable illustration, outline the two types of arrays in CAD drawing. (2 marks)
g) List four reasons for using CAD (4 marks)
h) Distinguish between snap and grid. (2 marks)
i) Distinguish between absolute coordinate system and relative coordinates (2 marks)
j) Outline three advantages of Computer Aided Art and Design as compared to Manual systems. (3 marks)
k) Describe three features of CAD. (3 marks)

SECTION B (Select ONE question only)

Question TWO (20 marks)

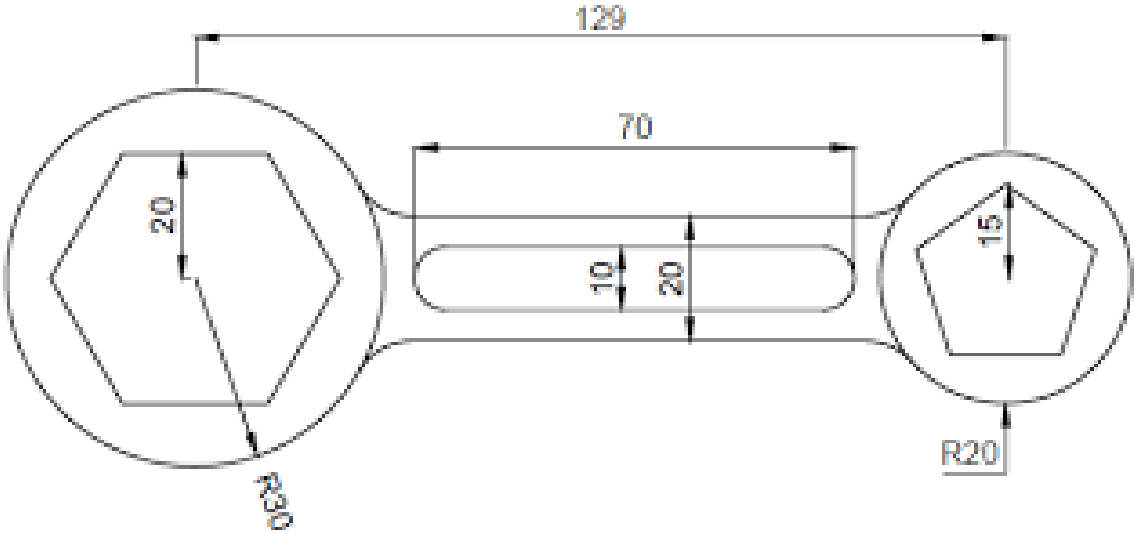
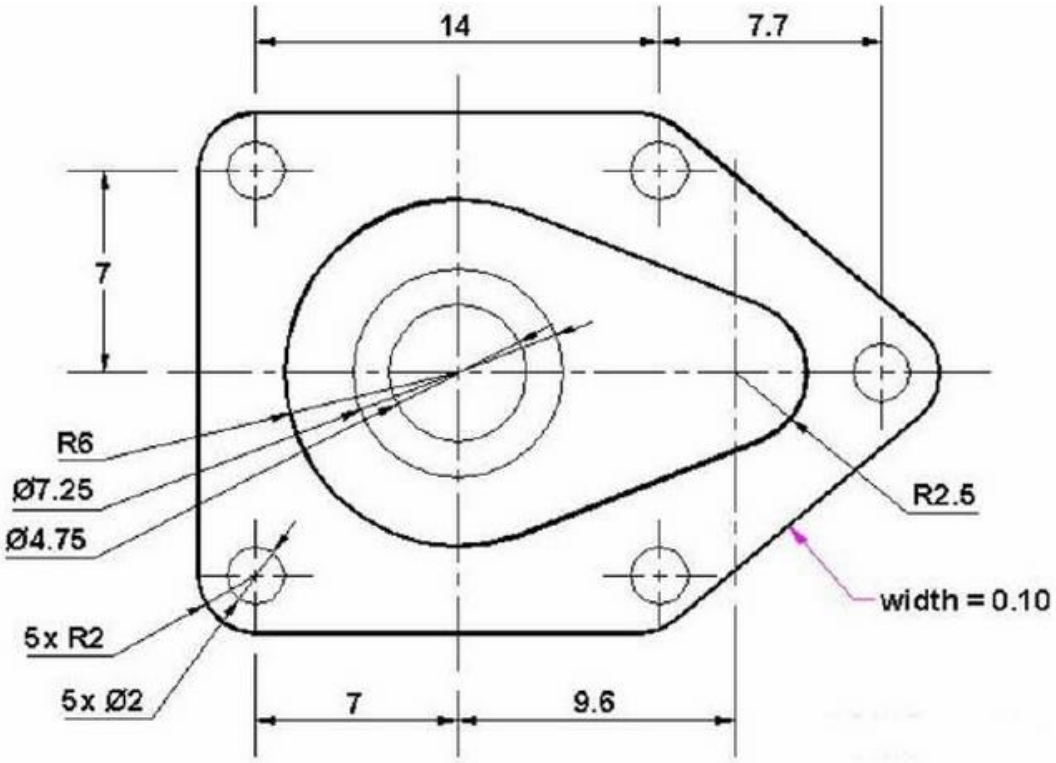


Question THREE (20 marks)



SECTION C (Select ONE question only)

Question FOUR (20 marks)



Question FIVE (20 marks)