



Vavuniya Campus of the University of Jaffna
Second Examination in Information and Communication
Technology - 2016

Second Semester - November/December 2017

ICT2272 Practical for Computer Graphics

Answer All Questions

Time Allowed : Three hours

1. Write a program to create the composite object as shown in Figure 1 and the program should have each of the following:
 - (a) A function to draw a line using Bresenham's line drawing algorithm with end points as parameter. [15%]
 - (b) A function to draw a triangle with corner coordinates as the parameter. You should use the line function written in (a). [15%]
 - (c) A function to draw a rectangle with corner coordinates as the parameter. You should use the line function written in (a). [15%]
 - (d) A function to draw a circle with center coordinate and radius as the parameter. [10%]
 - (e) A function to draw the object as shown in Figure 2. [15%]
 - (f) A function to do a rotation with rotation angle and array of coordinates as the parameter. [15%]
 - (g) A main method to draw the composite object shown in Figure 1 with the help of the functions written already. [15%]

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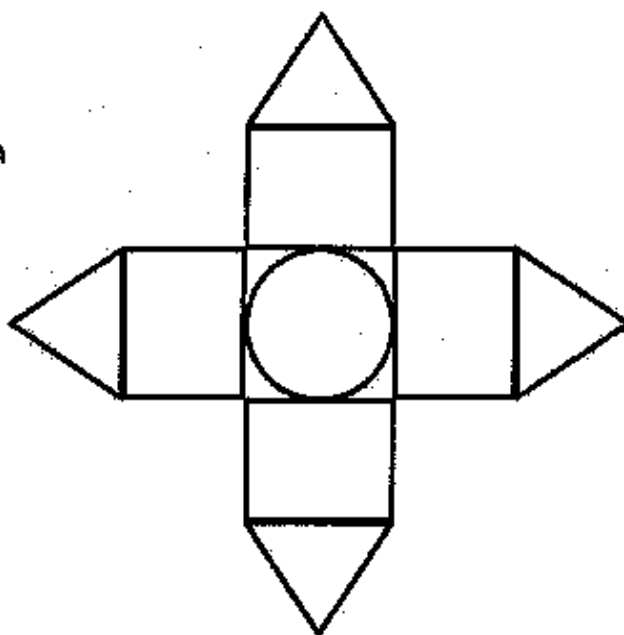


Figure 1

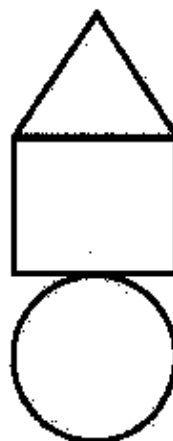


Figure 2