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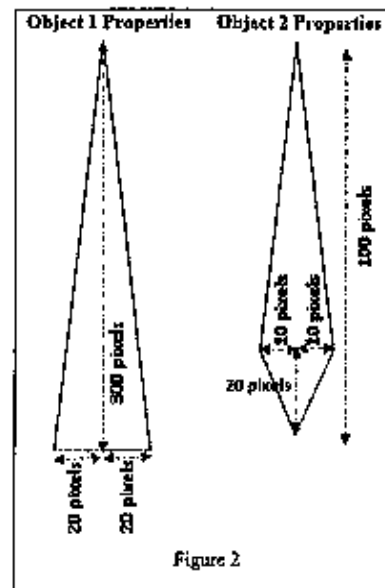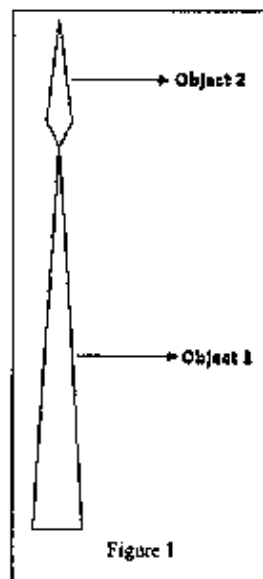
Second Examination in Information and Communication

Technology - 2015

Second Semester - January/February 2017

ICT2272 Practical for Computer Graphics

Answer All Questions

Time Allowed : **Three hours**

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1. Write a Java program to implement the *DDA(Digital Differential Analyzer) Line drawing algorithm.*

   (a) Create an *object* as shown in Figure 1 using the DDA line drawing program. The properties of the Object 1 and Object 2 are given in Figure 2.

Figure 1   Figure 2

[30%]

(b) Construct the compound object as shown in Figure 3 using the appropriate transformation by applying on the object 2.
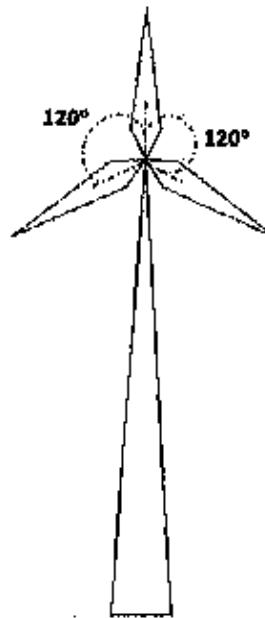

Figure 3: Compound Object

[30%]

(c) Construct the objects as shown in Figure 4 using the appropriate transformation by applying on the compound object construct in part (b), with given properties.
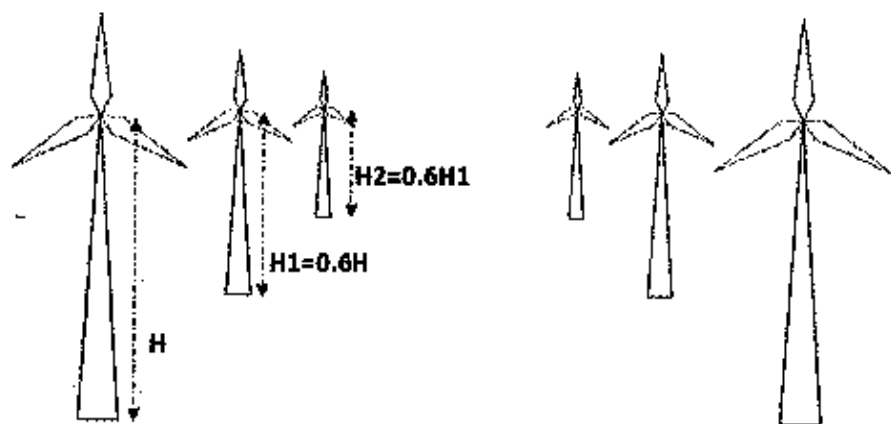

Figure 4

[40%]