



Vavuniya Campus of the University of Jaffna
Second Examination in Information Communication Technology - 2018
Second Semester - April/May 2020
TICT2253 - Computer Graphics (Practical)
Answer All Questions

Time Allowed: Two hours

Instructions

- Save your files in the folder named with your *Index Number (TS20XX)*.
 - Save a screenshot of your final output in the above folder.
1. (a) Write a Java program to implement the *Digital Differential Analyzer(DDA) line drawing algorithm*. [10%]
(b) Create Object 1 as shown in Figure 1 by using the program written in part(a). [20%]
(c) Obtain Object 2 as shown in Figure 2 using any appropriate 2-D transformation technique on Object 1. [20%]
(d) Create Object 3 as shown in Figure 3 by applying any suitable 2-D transformation on Object 2, constructed in part (c). [30%]
(e) Construct the composite object as shown in Figure 4 by applying any appropriate transformation on the Object 3. [20%]

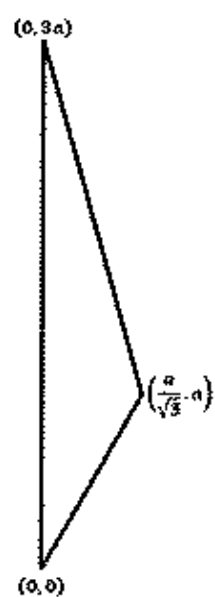


Figure 1: Object 1



Figure 2: Object 2

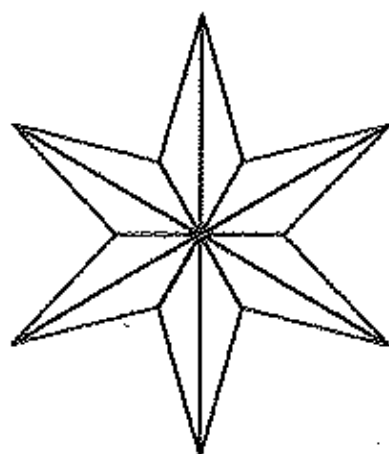


Figure 3: Object 3

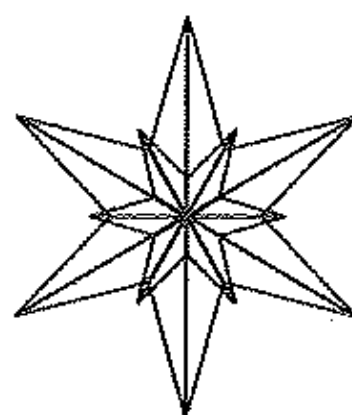


Figure 4: Object 4