

Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur

Regular/Back Exam-2077, Chaitra

Program: Diploma in Computer/IT Engineering

Full Marks: 40

Year/Part: II/II (2018, 2013 New+Old)

Pass Marks: 16

Subject: Computer Graphics

Time: 1.5 hrs.

*Candidates are required to give their answers in their own words as far as practicable.
The figures in the margin indicate full marks.*

Attempt Any Eight questions.

1. What is Computer Graphics? Explain Computer Aided Designing (CAD) and Computer Aided Manufacturing(CAM) with example. [1+4]
2. Write about the Raster and vector scan display technology. [2.5+2.5]
3. Explain about the DDA line drawing algorithm. [5]
4. Derive ellipse drawing algorithm. [5]
5. Define projection. Explain the types of projection with examples. [1+4]
6. Explain how 3-D objects are presented Discuss about polygon table and polygon Surface. [2+3]
7. Explain the Surface detection technique in brief. [5]
8. What is Animation sequence? Explain Morphing technique. [2+3]
9. Write short notes on: (Any Two) [2x2.5=5]
 - a) CRT monitor
 - b) Application of GUI
 - c) 2-D reflection

Good Luck!