Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur
Regular/Back Exam-2078/2079, Chaitra/Baishakh

Program: Diploma in Computer Engineering   **Full Marks: 40**

Year/ Part: II/II (2018 New)   **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. Define computer graphics. Write down the major applications of computer graphics.   [1+4]

2. Explain Bresenham's line drawing algorithm.   [5]

3. Write down principles of web graphics design.   [5]

4. Explain surface detection techniques.   [5]

5. Differentiate raster and Vector display technology.   [5]

6. What is projection? Differentiate between parallel and perspective projection.   [1+4]

7. Define shading model. Explain about Gouraud shading   [1+4]

8. Explain various steps of animation.   [5]

9. Write short notes on : **(Any Two)**   [2x2.5=10]

    i) 2D-Rotation

    ii) Morphing

    iii) CAD Vs CAM

Good Luck !