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*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 !**

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