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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: 80**

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

**Pass Marks: 32**

**Subject: Computer Repair & Maintenance**

**Time: 3 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 the terms data, program, software and information. [4x2.5=10]
2. What are general and special purpose computer? Differentiate between analog and digital computer. [2+8]
3. Define form factor and drive bay. Explain in detail the working principle of SMPS. [2+8]
4. Differentiate between : [5+5]
  - a) RAM and ROM
  - b) CRT and LCD
5. Define monitor. List out its characteristics. Explain how CRT works. [2+3+5]
6. What is UPS? Differentiate between Impact and non-impact printer. [3+7]
7. Write in details how the whole computer system can be cared well. [10]
8. Define system software and application software. Write short notes on 3 types of viruses you have encountered. What measures you have applied for its solution? [3+3+4]
9. Write short notes on : **(Any Two)** [2x5=10]
  - i) Back up and Disaster recovery
  - ii) Machine cycle
  - iii) BIOS

**Good Luck !**

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