

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: 80

Year/Part: II/II (2018,2013 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. Explain the types of computer on the basis of working principle. Explain them with suitable example. [10]
2. What is system case? Explain the working mechanism of power supply with block diagram. [4+6]
3. a) Explain the different parts of motherboard in brief. [5]
b) Explain the roles of chipset on motherboard. [5]
4. Why Microprocessor is considered as a brain of Computer? Describe the different units of Microprocessor with diagram. [4+6]
5. What is primary Memory? Explain different types of RAM with suitable examples. [4+6]
6. Define secondary storage device with reference diagram. Explain magnetic storage device construction and its operation. [5+5]
7. Explain the working principle of CRT monitor. [10]
8. a) Describe the preventive maintenance for System Care. [5]
b) Explain in brief about cylinder and sector. [5]
9. **Write short notes on : (Any Two)** [2x5=10]
 - a) Ink-jet printer
 - b) Backup and disaster recovery
 - c) UPS
 - d) Interfaces and ports

Good Luck!