

**Computer Science [Minor]****[NEP-CBCS]****B.Sc. First Semester End Examination-2023****PAPER: COS-MI 01T****[Computer Fundamentals]****Full Marks: 40****Time: 02 Hrs***The figures in the right hand margin indicate marks**Candidates are required to give their answers in their own words as far as practicable**Illustrate the answers wherever necessary***Group A**

1. Answer any FIVE questions of the following:      5x2= 10
- a) What are the differences between human language and computer language?
  - b) Write down the task of CPU?
  - c) What is Bluetooth?
  - d) Compare between digital and analog systems.
  - e) What is minicomputer?
  - f) Why operating systems is needed in a computer?
  - g) What do you understand by download and upload in computer network?
  - h) What is CD-ROM Drive?

(2)

**Group B**

**Answer any FOUR questions of the following: 4x5 = 20**

- 2) Explain different generation computers.
- 3) What do you understand by application software? Compare between operating system and application software. 2+3
- 4) Explain the hierarchy of different memory types based on its speed. 5
- 5) What is computer network? Explain www. 2+3
- 6) Why RAM is called volatile memory? write down differences between RAM and ROM. 2+3
- 7) What do you understand by binary number system? Convert decimal value 33 to binary number. 2+3

**Group C**

**Answer any ONE question of the following: 1x10 = 10**

- 8)
  - a) How a character is represent in computer memory?
  - b) What is super computer? Explain different components of a computer and its functions.
  - c) What is virus and malware in computer systems? 2+2+4 +2
- 9)
  - a) Explain different types of ROM.
  - b) Explain LAN, MAN, WAN.
  - c) Write down the differences between bit and byte?
  - d) What do you understand by file types? 3+3+ 2+2