

B.Sc.(IT) Semester – 1 (NEP-2020) Examination**January-2024****Computer Fundamentals & Emerging Technology (MDC)****Time: 2:00 Hours****Marks: 50****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
-

Que.1 Answer the following questions (ANY 2) (10)

- (1) What is Computer? Write characteristics of computer.
- (2) Explain Classification of Computer by Processing Capabilities.
- (3) Explain different types of ports and cables.
- (4) Explain memory structure and types of memory.

Que.2 Answer the following questions (ANY 2) (10)

- (1) Explain trackball, joystick and light pen.
- (2) What is scanner? Explain different types of scanners.
- (3) List out types of Printers. Explain any one in detail.
- (4) Explain Fax and Google glass.

Que.3 Answer the following questions (ANY 2) (10)

- (1) Explain Magnetic tape and Magnetic disk.
- (2) Explain Reading and Writing Data to and from Storage Devices.
- (3) Explain Seek Time and Response Time.
- (4) Explain Hard disk and Pen drive.

Que.4 Answer the following questions (ANY 2) (10)

- (1) What is Nibble, Bit, Byte, Carry Bit and Parity Bit?
- (2) Explain different types of computer Languages.
- (3) Explain Binary to Octal and Octal to Binary conversion.
- (4) Explain different Numbering system.

Que.5 Answer the following questions (ANY 2) (10)

- (1) Explain CDMA, GSM, and VOLTE.
- (2) Explain Problems and Protection from Virus.
- (3) Explain Bluetooth and WiFi.
- (4) Explain Characteristic & Service Models of Cloud computing.
