

**Diploma in Microbial Analysis and Food Safety**  
**First Semester**  
**Fundamentals of Information Technology: MFS-102**

**Time allowed: 3 Hours**

**Max. Marks: 80**

*NOTE: Attempt five questions in all, including Question Number 1 which is compulsory and selecting one question from each Unit*

*x-x-x*

**I.** Attempt any four of the following short questions in 50-60 words each: -

- a) Difference between Hardware and Software
- b) Characteristics of DRAM
- c) Hybrid computer
- d) Magnetic discs
- e) Difference between system software and application software
- f) Advantages of a Network

(4X4)

**UNIT-I**

- II.** Explain in detail the 'Five Generations' of computer technology citing examples of each. (16)
- III.** What are the different classifications of computers ? (16)

**UNIT-II**

- IV.** Discuss the types of Computer Memory. (16)
- V.** Is scanner an input or output device? Discuss its characteristics and types in detail (16)

### **UNIT-III**

- VI. Define Operating System. Discuss the functions of an operating system. (16)
- VII. What is the meaning of Data processing? Explain the various methods of processing data. (16)

### **UNIT-IV**

- VIII. Mention the characteristics of each type of Computer network along with their areas of specialisation. (16)
- IX. Explain the following services of internet
- a) Communication services
  - b) File transfers (16)

*x-x-x*