The West Bengal University of Health Sciences
B.Sc. in Medical Microbiology 5th Semester April - May, 2024
Examination
Subject : Computer Fundamentals

Time : 2 hrs.   **Full Marks : 50**

Attempt all questions

1. Answer the following :   10 x 1
   a) What is Computer?
   b) Explain the term of EPROM.
   c) Difference between SRAM and DRAM.
   d) Difference between Software and Hardware.
   e) Example of four input and output device.
   f) Define Semaphore.
   g) What is process?
   h) Differentiate between RAM and ROM.
   i) Define OS.
   j) Write down the characteristics of computer.

2. Answer *any four* of the following questions :   4 x 2
   a) What is operating system?
   b) Define semaphore.
   c) What are the basic components of a computer?
   d) Write down the name of any two input and output devices.
   e) Define software.
   f) What is the difference between Bar diagram and Pie diagram.

3. Answer *any four* of the following questions :   4 x 4
   a) Write a short note on PCB.
   b) Discuss the Characteristics of 4th generation computer.
   c) Write down any four applications of MS-Excel.
   d) Write down the function of Operating System.
   e) Explain the process states transition diagram.
   f) Write the characteristics and applications of a computer.

4. Answer *any two* of the following questions :   2 x 8
   a) What is Cooperating process? Define critical section problem. Explain the necessary conditions
      for solution to the critical section.   2+2+4
   b) Differentiate between RAM and ROM. Explain the mechanism of cache memory.   4+4
   c) Write a short note on (*any two*) :   2 x 4
      i) Printer.
      ii) MS-Power Point.
      iii) Joystick.