**Class: BCA-Sem-I**                                          **Time: 2:30 Hours.**

**Instruction: Attempt any five questions.**          **Total Marks: [70]**

# 1. (A) Objective type questions    :                    [4]
1. Who is the "father of computer?
2. Example of Micro Computer.
3. What is the main component of third generation computer?
4. ALU Stands for_____.

(B) Explain analog and digital computer.                    [2]

(C) Explain Mainframe and minicomputer.                    [3]

(D) Explain Features of computer.                    [5]

# 2. (A) Objective type questions    :                    [4]
1. RAM Stands for_____.
2. EEPROM Stands For_____.
3. Which is the main building block of computer which can hold all internal parts of computer?
4. PCI Stands for_____.

(B) Difference between RAM and ROM.                    [2]

(C) Explain Types of Port In brief.                    [3]

(D) Explain Processor with its types.                    [5]

# 3. (A) Objective type questions    :                    [4]
1. OCR Stands for_____.
2 POS Stands for_____.
3. Who invented mouse?
4. Which type of mouse is used without wires?

(B) Explain types of mouse in brief.                    [2]

(C) Explain types of camera in brief                    [3]

(D) Explain types of scanner in detail?                    [5]

**4. (A) Objective type questions   :**                          [4]
   1. USB Stands for _____.
   2. Which is the latest technology in optical storage media?
   3. DVD Stands for _____.
   4. Example of Flash Memory.

   (B) Give in detail about Seek Time and Access Time.          [2]

   (C) Explain Tack, sector and Cluster.                        [3]

   (D) Explain in brief of Magnetic Storage Media.              [5]


**5. (A) Objective type questions   :**                          [4]
   1. VDU Stands for _____.
   2. Give the name of Non-Impact Printer.
   3. What is Joystick?
   4. What is Track Ball?

   (B) Give in detail about Google glass.                       [2]

   (C) Explain types of Monitor.                                [3]

   (D) Explain Types of Impact Printer in Brief.                [5]


**6. (A) Objective type questions   :**                          [4]
   1. COM Stands for _____.
   2. What is Light Pen?
   3. MICR Stands for _____.
   4. What is Touch Screen?

   (B) Explain SGD.                                             [2]

   (C) Explain OLED in brief.                                   [3]

   (D) What is Plotter? Explain types of Plotters.              [5]


**7. (A) Objective type questions   :**                          [4]
   1. Nibble is also known as_____.
   2. 1's complement of 010010110.
   3. Give the full form of EBCDIC.
   4. 2's complement of 000101110.

(B) Convert Decimal to binary $(174)_{10}$. [2]

(C) 11101001 + 10111101 and 1011100.1010 + 1110101.0100. [3]

(D) Explain in detail: Operating System. [5]

## 8. (A) Objective type questions : [4]
   1. ASCII Stands for _____.
   2. What is Parity Bit?
   3. $(127)_8 = ( )_2$.
   4. What is Software?

(B) Convert Binary to Decimal $(110010110)_2$. [2]

(C) Explain Graphical and spreadsheet packages in brief. [3]

(D) What is number System? Explain types of number system. [5]

## 9. (A) Objective type questions : [4]
   1. Convert one signal from digital to analog is called_____.
   2. GIS Stands for _____.
   3. _____ a small picture that represent an object or program.
   4. GPS Stands for_____.

(B) Explain Backup and Restore. [2]

(C) Explain types of Virus. [3]

(D) Explain any five communication devices in brief. [5]

## 10. (A) Objective type questions : [4]
   1. Example of Anti-Virus.
   2. CDMA Stands for _____.
   3. Bluetooth enabled device has an individual identity in the form of_____.
   4. Which technology is used in night vision camera?

(B) Explain Infrared and Bluetooth. [2]

(C) What is compiler? Explain its types. [3]

(D)Explain in brief Cloud Computer. [5]