

- Note :—**
- 1. Part 'A' may be attempted in first 5 pages of Answer Sheet.**  
भाग 'क' के सभी उत्तर, उत्तर-पुस्तिका के प्रथम पांच पृष्ठों में ही करना हैं।
  - 2. Part 'B' in rest of the Sheets of Answer Sheet.**  
भाग 'ख' के उत्तर, उत्तर-पुस्तिका के अगले शेष पृष्ठों में लिखिये।
  - 3. Answers may be given in English or Hindi.**  
प्रश्नों के उत्तर अंग्रेजी अथवा हिन्दी में दीजिये।

### PART - 'A'

**Q. 1. Attempt any TEN of the following questions :-**

**(10X2 = 20)**

- (1) How does monitor work?
- (2) What is meant by Monitor bandwidth?
- (3) What is NTSC?
- (4) What is a scanner?
- (5) What is EIDE?
- (6) What is refresh rate?
- (7) What kind of memory is a pen drive?
- (8) Write the Full form of DMP and CGA.
- (9) What is sector interleaving?
- (10) List any Four output devices.
- (11) What kind of material is used for construction of a Hard drive?
- (12) What does monochrome mean?
- (13) What do you mean by non-impact Printer.
- (14) What does peripheral device mean?

**Q. 2. Attempt any FIVE of the following questions :**

**(5X4 = 20)**

- 1) What is a raster scan? How does it work?
- 2) How does a DMP work?
- 3) How is low level formatting disk performed? Explain in detail.
- 4) Differentiate between NTSC and PAL standards.
- 5) How a digitizer works? Explain.
- 6) Discuss SCSI interface.

ETT

E-010

MFM

7) What is meant by MFM? Explain in detail.

**PART - 'B'**

(3x20=60)

**Attempt any THREE questions of the following :**

- Q. 3.** Compare various video display adapters. Explain the basic principle and working of CRT monitor with diagram.
- Q. 4.** What is disk partitioning? How is it done? What are its benefits and demerits? Write tools or commands used for partitioning.
- Q. 5.** (a) Discuss various data encoding techniques in detail.  
(b) Explain the working of Inkjet Printer.
- Q. 6.** (a) Explain the construction and working of CD-ROM.  
(b) Explain the various types of Actuators.
- Q. 7.** Write short notes on any four :
- a) Tape Drive ✓
  - b) Pen Drive ✓
  - c) Zip Drive ✓
  - d) VGA
  - e) Vector Scan ✓