

PERIPHERALS AND INTERFACES

Time : 3 hrs.

2K5-DS-05

2022

M.M. 100

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?

(5X4 = 20)

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

- 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.

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

PART - 'B'

Attempt any THREE questions of the following :

(3x20=60)

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