

Question Bank (G SCHEME)

Name of subject: COMPUTER HARDWARE AND MAINTENANCE

Unit Test: I

Subject Code: 17428

Course: CM4G/IF

Semester: IV

CHAPTER 2 : Storage Devices and Interfacing (24)

3 Marks each

1. Explain the Run Length Limited (RLL) Encoding Method with example?
2. Explain the term: Formatting?

4 Marks each

3. Explain the MFM recording techniques with a suitable example?
4. Explain the term related to Hard Disk:
 - i. Track.
 - ii. Sector
 - iii. Cylinder
 - iv. Cluster.

CHAPTER 3:- Display Devices and Interfacing (12)

3 Marks each

1. Describe any six characteristics of CRT color monitor?
2. Explain block diagram of video accelerator card?
3. What are the advantages and disadvantages of LCD monitor?
4. Distinguish between Interlace and Non-interlace monitor?

4 Marks each

5. State any two differences between interlaced and Non-interlaced monitors?
6. Explain passive matrix and active matrix LCD with diagram?
7. Draw the block diagram of color monitor .Give the function of each block.
8. Describe the following term related to LCD:

- i. Refresh rate.
- ii. Response time.

CHAPTER 4:- Input and Output Devices (12)

3 Marks each

1. Write working principle of mechanical key switch with neat diagram?
2. Explain in brief working laser printer with neat diagram?
3. With neat diagram, explain capacitive and Membrane switch?
4. Explain working principle of Dot matrix with neat diagram?
5. Define Modem. State the specification of modem?
6. Describe working of Inkjet printer?
7. Explain the working principle of membrane key switch?

4 Marks each

8. With neat diagram describe working of flat-bed scanner?
9. With neat diagram explain working of opto-mechanical mouse?
10. Explain block diagram of internal modem?
11. Write any two advantages and disadvantages of laser printer over dot matrix?
12. Write any six characteristics of printer?
13. List types of keyboard switches and give their uses?