QUESTION BANK

1. Define Information Technology
2. What is the difference between data and information?
3. What are the different types of data and explain it.
4. Define multimedia data.
5. Give examples of audio data.
6. Give examples for image or picture data.
7. What is the difference between picture and video?
8. What is the difference between primary memory and secondary memory?
9. What are the parts of desktop computer?
10. What is VDU? What is its application?
11. What is a scanner? What is its use?
12. What software is essential to use a PC?
13. What are the different methods of acquiring textual data?
14. Describe briefly how a flat bed scanner acquires an image.
15. What is an OCR? What is its application?
16. What is audio? Enumerate different types of audio signals.
17. Distinguish between audio and image data type.
18. What are the advantages of digital processing of audio data?
19. What are the advantages of digital processing of video data?
20. What is I frame? What are the basic requirements to be met by a frame to be picked as an I frame?
21. Write a note on memory cell?
22. What are the physical devices used in memory cell?
23. Write a short note on random access memory
24. Explain about the secondary storage devices used in computer.
25. Write short note on ROM.
26. Why is a CPU required in a computer? What are its functions?
27. What is a microprocessor? Why is it called a microprocessor?
28. What is the difference between a data path and a control path in CPU architecture?
29. Write a program to compute X=A-(B*C) and display X. write out the instructions.
30. What is a CISC processor and explain it.
31. What is a RISC processor and explain it.
32. What are the three buses which connect CPU with I/O and Memory units and explain it?
33. What is a motherboard and what does it contains?
34. What is BIOS? What are its functions?
35. What is a parallel bus and how is it different from a serial bus?
36. What is a network and explain its type.
37. Explain the functions of a NIU.
38. What is a HUB? What are its functions?
39. What is Ethernet? Explain how Ethernet works.
40. What is the star connection of network and explain it.
41. What is a firewall? Why it is needed for computer?

42. What is an IP address?and explain it.
43. What the function of TCP and explain it.
44. What are the functions of DNS?
45. What do you mean hard copy output and what is a soft copy?
46. Explain how a CRT works.
47. What is a VGA card? Why is required?
48. What is a TFT and explain it.
49. What are plasma display panels?
50. What is a character printer? Give some examples.
51. What is system software? Give an example.
52. What is Application software? Give an example.
53. What is packaged software? Give an example.
54. What is an operating system? Why is it required?
55. What is a BIOS? What are its functions?
56. What is FAT? Why is it required?
57. Enumerate different types of operating system.
58. What is multitasking? What are its advantages?