1. Define Data and Information.
2. Explain volatile and non-volatile data with example.
3. Define the characteristics of an algorithm.
4. Define Hardware and Software.
5. Types of Software.
6. Define programming and programming language.
7. Explain the type of programming Language.
8. Explain type of runtime error.
9. Explain the attributes of OOP's.
10. What is inheritance. Which inheritance is missing in java? Write a simple program on C++ using that inheritance.
11. Briefly explain method overloading and method overriding.
12. Define linear and non-linear?
13. How is an array is different from linked list?
14. What is stack and where can be used .
15. What are infix , prefix and post fix ?
16. What is sorting ? Types of sorting and write an algorithm using any sorting ?
17. What are the advantages of DBMS over traditional file system ?
18. Define : Super key , primary key , foreign key .
19. Write a short note on normalization ?
20. What is join query. write a short note ?
21. Difference between trigger and store procedure ?
22. What are software engineering and re engineering ?
23. Briefly describe software development process ?
24. What is function points ?
25. Write a short note on feasibility study ?
26. Mention some software analysis and design tools ?
27. What is networking ?
28. Describe OSI model ?
29. Basic deference's between TCP/IP and OSI model ?
30. Define :
    1. Switch   2. Router   3. Hub   4. Bridge   5.Media Converter
31. Describe data communications and networking and classify the IP address .
32. What is the process of MIS , Write deference type of MIS ?
33. What are the levels of information requirement in an MIS ?
34. What are the level of decision making in an MIS ?
35. What are the level of decision making in an MIS ?
36. Write a short note on switching technique ?
37. Define is MUX and DMUX ?
38. What is deadlock system ? what are the necessary condition for deadlock ?
39. Define :

a. Assembler   b. Compiler c. Interpreter

40. What is DMA operation? Explain shortly.

41. Describe about flag register for 8085µp.

42. What is chipset? Write notes on northbridge and southbridge.

43. What are the responsibilities of a DBA?

44. Describe in Brief:

    OSI model.

45. What is tupple? Describe all the relationship of a Database.

46. What is an Entity? Describe Different types of connectors.

47. What is Database? Why people need to use it?

48. Define foreign Key. Why this concept used for?

49. Describe one process model.

50. Write down a program to find out the area of a tri-angle.

51. Briefly define:

    Bug, Accumulator, Interpreter

52. Briefly describe different types of networking topology.

53. Suppose you System Administrator of an Organization in the Network section. What is your responsibility to make the System smooth?

54. Suppose you a System Administrator of an Organization in the Software section. What is your responsibility to develop new software?

55. Write a program where you have used multiple inheritance?

56. Write a program where you will pass a two dimensional array from a user define function to main function.

57. Define Data and Information.

58. Define the characteristics of an algorithm.

59. Explain the type of programming Language.

60. Briefly explain method overloading and method overriding.

61. Write a short note on normalization?

62. Write a short note on feasibility study?

63. Describe OSI model.

64. Write notes on :

    (i) Switch   (ii) Router   (iii) Hub   (iv) Bridge   (v) Media Converter

65. Describe data communications and networking and classify the IP addresses.

66. What is CIDR? Illustrate subnet masking.

67. What is the process of MIS? Mention deference types of MIS.

68. Define is MUX and DMUX?

69. What is deadlock system? What is the necessary condition for deadlock?

70. What is sorting? Write the names of some sorting method.

71. Difference between trigger and store procedure?

72. Mention some software analysis and design tools?

73. What are the advantages of DBMS over traditional file system?

74. What is DMA operation? Explain shortly.

75. Describe about flag register for 8085μp.

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