GROUP A

GENERAL CONCEPTS

1. What is the function of Loader?

2. Differentiate between Compiler and Interpreter

3. What are the steps of Data Processing?

4. Convert $(111101.100)_2$ into its equivalent Octal number.
5. Convert $(11011011)_2$ into its equivalent gray code.
6. Write truth table of NAND gate and draw its logic symbol.

7. Draw the block diagram of a digital computer and explain the function of its different units.

8. What do you mean by System Software?

9. What is (are) the difference(s) between volatile and non-volatile memory?

10. Write the characteristics of Fourth Generation Computers?

11. What do you mean by Machine Level Language & Assembly Level Language?

12. What is (are) the differences(s) between Data and Information?

13. Write the use of Preprocessors.

14. Mention two Multimedia Softwares.

15. Write short notes on Dynamic Binding Property of Object Oriented Concepts.
16. Briefly describe the associated Software of Multimedia.
17. What are Resident and Nonresident Viruses?

18. Discuss the various recovery methods of virus removal.

19. Classify different types of Computer according to size & capability

20. What is (are) the advantage(s) of a Compiler than an Interpreter?

21. Differentiate between Object Oriented   & Procedure Oriented Programming   Languages.

22. What are the steps of Data Processing?

23. Briefly explain the features of Von Neumann Architecture?

24. Find r such that $(121)r=(144)_8$, where r and 8 are the bases

25. Briefly describe the applications of Multimedia.

26. Explain Machine Level, High Level and Assembly Level Languages

27. What is (are) the difference(s) between OOP and POP?

28. What are the two kinds of Viruses according to their infection strategies?

29. What are Line and Screen Editors? Give Example.
30. Explain the functions of Loader and Linker