1. Differentiate between Algorithm and Pseudo code.
2. What is pseudo code? How it is different from flow chart? Explain with example.
3. What is an Algorithm? What are the major characteristics of an algorithm?
4. “To write an efficient program, we should know about data structures and algorithm.” Explain.
5. Write about abstract data type. Differentiate between linear and non-linear data structure.
6. Discuss Link list along with its type.
7. Define Recursion. Explain recursive solution for tower of Hanoi.
8. What are the differences between array and linked list? Can multidimensional array implement as a linked list?
9. What is an ADT? What is its type? Explain in brief.
10. As we know linked list can be used on several applications on real world programming. Let us take the case of playlist created on YouTube by the user. The operation on YouTube playlist are adding item to playlist, auto play next item on play list , remove item from play list , repeat or Shuffle items on the playlist.

1. Candidate are requested to explain in the brief how YouTube playlist works as they use the system i.e. YouTube.

2. Explain with figure of linked list implementation or pseudo code based on that system. (The process should be step wise)

3. Examine and explain if the system can be used with array and what are pro and cons on doing so.