SECTION-A

1. What is Translator? Which are various types of translators and how do they differ?

2. What are types of Software? Explain different types of System Software.

SECTION-B

3. (a) Discuss various data structures used by Assembler.

   (b) Write a note on the recursive Macro call. Explain with an example.

4. Elaborate Step by Step Two Pass Assembler using an example and draw its flow chart.

SECTION-C

5. What is Compiler? Explain various phases of the Compilation Process.

6. (a) Discuss various types of Compilers.

   (b) What is Storage Management Optimization?

SECTION-D

7. What is Dynamic Linking? Explain Dynamic Linking Loader.

8. (a) Differentiate between Dynamic Linking Loader and Linkage Editor.

   (b) Discuss basic loader functions.