

SECTION-A

1. What is system software ? How is it different from application software?
2. What should be the salient features of an assembler ?

SECTION-B

3. Describe the data structures required in pass-two of an assembler.
4. How is macro expansion done ? Explain with an example.

SECTION-C

5. Explain the lexical analysis of the compilation process.
6. What are the cross and increment compilers ? Why do we need them?

SECTION-D

7. What are the roles of a linker ? Explain.
8. Why do we need loader ? What should be its important features ?