

1	Explain the various components of the system software. Make clean machine architecture to fit in all the components.
2	Explain All the phases of a compiler in all the details with a suitable example. Make Charts, Tables and Diagrams wherever required.
3	Explain the following a) RS & SS Format b) LTOrg c) Difference between DS & DC
4	Write notes on a) Basic functions of an Editor b) Various stages of a program generators c) Various kinds of bugs & related debugging techniques
5	Explain One pass macro processor capable of handling macro calls within the macro definitions. Explain the stack operations with the help of suitable method.
6	Write notes on a) Compile and go loaders b) Absolute loaders c) Relocating loaders
7	How pass1 & pass2 of the IBM 360 assembler are different. Explain with Flowchart.
8	Explain the Standard System Linkage criteria of an IBM 370 assembler. Write the minimum set of linkage instructions & then explain them one by one.