

1	Give the General design procedure of a assembler. What are the various tables made for its implementation? How first pass is different from second pass.
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) Using & Drop
4	What are the five different instruction formats available in IBM 360. Explain each one of them.
5	Expand the following macro. <pre> MACRO SS &ss1, &ss2,&ss3 ST &ss1,SAVE L &ss2,POINTER AR &ss3,&ss3 SR &ss2,&ss2 MEND START ENTRY RESULT EXTRN SUM BALR 12,0 USING *,12 SS 14,2,5 SAVE DS F RESULT DS F POINT DC H'5' END </pre> <p>Make the following</p> <p>(a) MDT</p> <p>(b) MNT</p> <p>(c) ALA</p> <p>(b) Expand the Macro</p>
6	Explain the design of Direct Linking Loader with associated tables & flowcharts.
7	How Linking takes place when one program calls another program & when control comes back to called program.
8	Write notes on a) Debugger b) Editors

	c) Compilers
	d) Interpreters
	e) Operating System