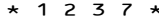


# IT405 - System Programming

Time : Three Hours



Max. Marks : 80

- b) Differentiate between : 8
- i) Linear and Binary search.
- ii) Radix and Radix Exchange Sort.
5. a) Enlist and explain various features of a macro facility. 8
- b) Describe the specification of databases used by the two passes of the macro processor. 8
- OR**
6. a) Define Macro state four basic tasks that any macro processor must perform. 8
- b) Draw and explain pass-2 processing macro calls and expansion flowchart in detail. 8
7. a) Define Loaders Discuss "Compile and Go" loaders. 8
- b) Explain the concept of subroutine linkages. 8
- OR**
8. a) Explain with suitable diagram, working of BSS loader in detail. 8
- b) Describe the function of each of the RLD, ESD, TXT and END cards. 8
9. a) Enlist and explain various features of high level language. 8
- b) What is the use of formal systems in programming language. 8
- OR**
10. Explain different phases of a compiler in detail. 16

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