

**B.TECH DEGREE EXAMINATIONS: NOV/ DEC 2014**

(Regulation 2009)

Fourth Semester

**INFORMATION TECHNOLOGY**

CSE106: System Software

**Time: Three Hours**

**Maximum Marks: 100**

**Answer all the Questions:-**

**PART A (10 x 1 = 10 Marks)**

1. When  $x = 0$ , what is the addressing technique used in SIC machine?
  - a) Direct
  - b) Indirect
  - c) Indexed
  - d) relative
2. Second pass in 2 pass assembler is needed for
  - a) Resolving byte reservation
  - b) resolving forward reference address
  - c) resolving relative addressing
  - d) resolving absolute addressing
3. Loading is to
  - a) load program into secondary memory
  - b) load program into cache memory
  - c) load program into primary memory
  - d) load variables into registers
4. Modification Record is used in \_\_\_\_
  - a) Assembling
  - b) Linking
  - c) Loading
  - d) Relocation
5. Bootstrap loader is used to load
  - a) program into memory
  - b) first program to be executed by the computer
  - c) application program into memory
  - d) debugging program into memory
6. Preprocessor is like a \_\_\_\_
  - a) Subroutine
  - b) Function
  - c) Macro
  - d) Procedure
7. Keyword Macro parameters are used to pass \_\_\_\_\_.
  - a) Variables
  - b) parameters
  - c) Values
  - d) Default values



23. a) Write short notes on :
- (i) Modification record (4)
  - (ii) Linkage editors (5)
  - (iii) Bootstrap Loaders (5)

**(OR)**

- b) Write about machine dependent loader feature (Relocation and program linking) with example.

24. a) Write one pass macro processor and explain.

**(OR)**

- b) Write short notes on
- (i) Concatenation of macro parameters (5)
  - (ii) Conditional macro expansion (5)
  - (iii) Macro Definition and expansion (4)

25. a) Explain different phases of a compiler.

**(OR)**

- b) (i) Write a note editor structure. (10)
- (ii) Explain about the interactive debugging systems. (4)

\*\*\*\*\*