AB-3183
Third Year B. Sc. (Sem. V) (Computer Science)
Examination
March/April – 2015
PAPER- 507-3 (SYSTEM SOFTWARE)

Time : 3 Hours] [Total Marks : 70
Instruction :

1. Answer the following questions. 14
   (1) Describe, fields of symbol table.
   (2) Differentiate between Assembler and Interpreter.
   (3) What is multi-pass assembler?
   (4) What is MASM assembler?
   (5) What is a macro instruction?
   (6) What is a macro?
   (7) What is semantic expansion? How it can be achieved?

2. (a) Write a note on macro expansion with its algorithm. 8
    (b) Explain Interpreter. 7

    OR

    (b) What is debugging? Explain about Debug Monitors.

3. (a) Explain various classifications of grammars. 8

    OR

    (a) Explain different aspects of compilation in brief.
    (b) Explain Design of Macro Preprocessors. 7

[Contd...]
4 Answer in detail :
(a) What are the advantages of assembly language? 8
(b) Explain design of single pass assembler. 7

OR

(b) Explain the various types of addressing modes.

5 Write short notes on any two: 10
(1) Memory Allocation.
(2) Code generation.
(3) LEX.