



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)

<p>नीचे दर्शायेव निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : THIRD YEAR B. SC. (SEM. V) (COMPUTER SCIENCE)</p> <p>Name of the Subject : PAPER- 507-3 (SYSTEM SOFTWARE)</p> <p>Subject Code No. : 3 1 8 3 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <p style="text-align: center;">Student's Signature</p>
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- 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

- 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.
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