

Seat No.	
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SV-198

Total No. of Pages : 2

T.E. (Computer Science Engg.) (Semester - V)**Examination, April - 2018****SYSTEM PROGRAMMING****Sub. Code : 66294**

Day and Date : Wednesday, 25- 4 - 2018

Total Marks : 100

Time : 10.00 a.m. to 1.00 p.m.

- Instructions :
- 1) Question No. 4 and 8 are compulsory.
 - 2) Answer any two questions from Question No. 1, 2 and 3.
 - 3) Answer any two questions from Question No. 5, 6 and 7.
 - 4) Figures to the right indicate full marks.

Q1) a) Explain language processor development tools. [8]

b) Discuss in detail processing of declarations and assembler directives. [8]

Q2) a) Discuss in detail; along with sketch/block diagram; the design of a macro preprocessor. [8]

b) Explain the fundamentals of language processing. [8]

Q3) a) Write in detail pass structure of an assembler. [8]

b) Explain nested macro calls with an illustrative example. [8]

Q4) Write a short note on: (6 marks each) [18]

a) Macro Definition and Call.

b) Assembler Directives.

c) Language Processors.

P.T.O.

- Q5)** a) State and discuss Linking for overlays. [8]
b) Explain parameter passing mechanism in Compilation. [8]
- Q6)** a) Write in detail for Intermediate code generation for Expression. [8]
b) Write and Explain Relocation Algorithm. [8]
- Q7)** a) Explain Memory Allocation in Block Structured Languages with suitable diagram. [8]
b) Discuss in detail; Steps in Program Development. [8]
- Q8)** Write a short note on: (Solve any three: each carries 6 marks) [18]
a) User Interfaces.
b) Absolute Loader.
c) Compilation of Control Structures.
d) Software Tools for program development.

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