

Total No. of Questions :6]

SEAT No. :

P5636

[Total No. of Pages :2

TE/INSEM./OCT.-24

T.E. (E & TC)

SYSTEM PROGRAMMING AND OPERATING SYSTEM

(2012 Course) (Semester - I) (304185)

Time : 1 Hour]

[Max. Marks :30

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6.
- 2) Neat diagrams must be drawn whenever necessary.
- 3) Figures to the right side indicate full marks.
- 4) Assume Suitable data if necessary.

Q1) a) Explain in detail language processing activities. **[6]**

b) Explain the use of Terminal and Non-Terminal in programming language grammar. **[4]**

OR

Q2) a) Explain in brief assembler directives. **[6]**

b) Explain in brief Search and Allocation data structures. **[4]**

Q3) a) Draw and explain phases of compiler. **[6]**

b) Differentiate Macro and subroutine with example. **[4]**

OR

P.T.O.

- Q4)** a) Explain flow alteration in advanced macro facilities. [6]
b) List various Code Optimization techniques. Explain any 2 in details.[4]

- Q5)** a) Explain steps in Program development. [6]
b) Explain direct linking loaders. [4]

OR

- Q6)** a) Explain in brief compile & go loader. [6]
b) List and explain different types of editors. [4]
