B.TECH. SEM -V INFO. TECH. 2014 COURSE (CBCS) :
SUMMER - 2018
SUBJECT : SYSTEM PROGRAMMING

Day : **Wednesday** Time : **10.00 AM TO 01.00 PM**
Date : **23/05/2018** **S-2018-2359** Max. Marks : 60

N. B. :

1) All questions are **COMPULSORY**.
2) Figures to the right indicate full marks
3) Draw neat and labeled diagram wherever necessary.
4) Use of non-programmable calculator is allowed.
5) Assume suitable data, if necessary.

Q. 1 Elaborate the evolution of operating system. **(10)**

OR

Describe the fundamentals of language processing with suitable example. **(10)**

Q. 2 Describe the concept of long way, no looping with the help of suitable example. **(10)**

OR

Describe address modification using instruction with the help of suitable example. **(10)**

Q. 3 Describe the general design procedure of assembler with suitable example. **(10)**

OR

Describe binary search with the help of suitable example. **(10)**

Q. 4 Describe conditional macros expansion along with suitable example. **(10)**

OR

Describe a two pass macro processor algorithm. **(10)**

OR

Q. 5 Elaborate subroutine linkages with suitable example. **(10)**

OR

Describe static and dynamic linking with an example. **(10)**

Q. 6 Describe lexical phase of compiler with suitable example. **(10)**

OR

Describe Syntax analysis phase of compiler with suitable example. **(10)**

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