

**B.TECH. SEM -V INFO. TECH. 2014 COURSE (CBCS) : WINTER -
2017**

SUBJECT : SYSTEM PROGRAMMING

Day : **Tuesday**
Date : **16/01/2018**

W-2017-2151

Time : **02.30 PM TO 05.30 PM**
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.
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Q. 1 Enlist and describe operating system's facilities according to user's view point. (10)

OR

Enlist and describe language processor development tools. (10)

Q. 2 Elaborate the general machine structure of IBM 360. (10)

OR

Describe address modification using instructions as data with the suitable example. (10)

Q. 3 Describe pass 1 and pass 2 overview while designing of an assembler. (10)

OR

Describe the format of data bases while designing of an assembler. (10)

Q. 4 Define macros with suitable example. (10)

OR

Describe the feature of macro instruction arguments with the suitable example. (10)

OR

Q. 5 Describe compile and go loaders with suitable examples. (10)

OR

Describe relocating loaders with suitable examples. (10)

Q. 6 Describe storage assignment phase of compiler with suitable example. (10)

OR

Describe intermediate form of source program while compiling the source program with suitable example. (10)

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