S.B. Roll No......................................

OPERATING SYSTEMS

5th Exam/Comp/IT/CSc/0862/2625/May'16

Duration: 3 Hrs.   **Max. Marks:75**

SECTION –A

Q1. Fill in the blanks with suitable words.   **1.5x10=15**

    (a) CUI stands for_____.

    (b) _____and _____ are types of Loader.

    (c) _____ operation decrement the value of semaphore variable.

    (d) Spooling stands for_____.

    (e) The _____ command is used to terminate a process.

    (f) Two of the vi editor's modes of a operations are _____ and _____.

    (g) BASH stands for_____.

    (h) Virtual memory can be implemented with _____ and _____.

    (i) The tar command is used for creating _____.

    (j) WORM stands for_____.

SECTION- B

Q2. Attempt any five questions.   **6x5=30**

    1. What is the difference between compiler and interpreter?

    2. Write main features of MS-DOS.

    3. Explain Time slice or Round Robin scheduling.

    4. What is a Semaphore? Explain advantages of semaphores.

    5. What is a process? Explain different states of a process with suitable diagram.

    6. Define operating system. Explain its various functions.

    7. Explain the file structure of LINUX.

SECTION- C

Q3. Attempt any three questions.   **10x3=30**

    1. Briefly explain various types of operating systems.

    2. What are deadlocks? How can they be avoided?

    3. Explain the file and directory related commands in LINUX.

    4. Write short note on the following.

      (a) Loader   (b) Secondary memory

    5. What is segmentation? Explain the Concept of segmentation.