K18U 0925

Reg. No. : .....

Name : .....

IV Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.) Examination, May 2018
(2014 Admn. Onwards)
GENERAL COURSE IN COMPUTER SCIENCE
4A14CSC : Operating System

Time : 3 Hours Max. Marks : 40

SECTION – A

One word answer : **(8×0.5=4)**

A. A program in execution is called _____

B. Interval between the time of submission and completion of the job is called _____

C. The scheduling in which CPU is allocated to the process with least CPU-burst time is called _____

D. The "turn-around" time of a user job is the _____

E. Program 'Preemption' is _____

F. 'LRU' page replacement policy is _____

G. GUI is short for _____

H. "Throughput" of a system is _____

SECTION – B

Write short notes on **any seven** of the following questions : **(7×2=14)**

1. What do you mean by non-preemptive scheduling ?

2. What is throughput ?

P.T.O.

3. What is microcomputer ?
4. What is swapping ?
5. List down any three operating systems.
6. Define interrupt.
7. Define multiprogramming.
8. What is the use of stack pointer ?
9. Define deadlock.
10. What is microprocessor ?

SECTION – C

Answer **any four** of the following questions : **(4×3=12)**

1. Describe process life cycle.
2. Explain the concept of segmentation.
3. What is time sharing system ? Explain.
4. Describe deadlock prevention.
5. Explain about contiguous allocation.
6. Difference between RAM and ROM.
7. What is meant by buffering ?

SECTION – D

Write an essay on **any two** of the following questions: **(2×5=10)**

1. Explain DMA architecture.
2. Describe scheduling algorithms.
3. Discuss the operating system as a resource manager.
