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.