

**V.P. & R.P.T.P. Science College**  
**S. Y. B.Sc. Examination Semester – IV Internal Test**

**US04CCSC02: Operating System**  
**Date: 12/13/03/2015      Time: 10:30 AM to 12:00 Noon      Max. Marks: 25**

**Que. 1      MCQ      (3)**

1. Time-sharing system also known as \_\_\_\_\_.  
(a) Real-time    (b) Multi-tasking    (c) Multi-user    (d) none of these
2. A newly created process resides in \_\_\_\_\_ queue.  
(a) Job    (b) Ready    (c) Running    (d) Waiting
3. \_\_\_\_\_ page replacement algorithm will swap a page that will not be used for longer period of time.  
(a) FIFO    (b) Optimal    (c) LRU    (d) None of these

**Que. 2   Short Questions (Any two)      (4)**

1. Define Operating system.
2. What is process? List out all process States.
3. Explain Virtual memory in short.



**Que. 3 Which are the functions performed by Operating System?      (6)**

**OR**

**Que. 3 List out various types of OS. Explain Real Time Operating System.      (6)**

**Que. 4 Explain Priority scheduling algorithm in brief.      (6)**

**OR**

**Que. 4 Describe FCFS scheduling with advantages and disadvantages.      (6)**

**Que. 5 Explain FIFO page replacement algorithm with advantages and disadvantages.      (6)**

**OR**

**Que. 5 Explain Swapping of two processes with suitable example.      (6)**

**ALL THE BEST**