

2013

CAPP

Paper-2

Full Marks: 50

Time: 3 hours

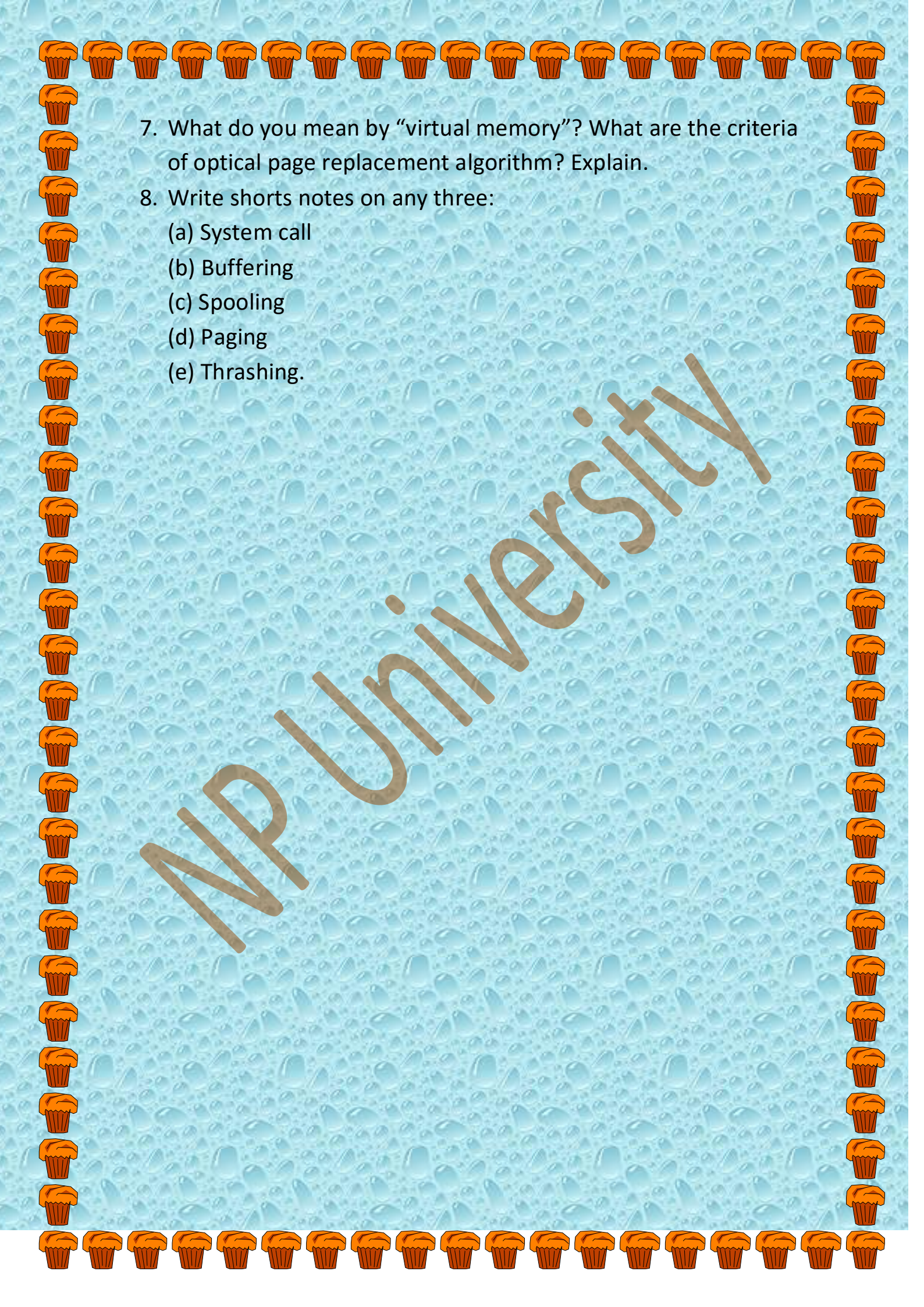
Answer any five questions

The figures in the right-hand margin indicate marks

Candidates are required to give their answers in

their own words as far as practicable

1. What is an operating system? Briefly explain any five services provided by an operating system to the users and to programs.
2. What do you mean by scheduler? Explain the primary objective of scheduling. Describe the differences among short term, medium term and long term scheduling.
3. What is the difference between a program and a process? Explain the different process state with diagram.
4. Explain the differences in the degree to which the following scheduling algorithms discriminate in favour of short process:
  - I. FCFS
  - II. RR
5. (a) What do you mean by encryption? What are two advantages of encryption?  
(b) Explain the following allocation algorithm:  
First fit, Best fit and Worst fit.
6. (a) Define term DMA? Explain it.  
(b) Write down file system of LINUX.



7. What do you mean by “virtual memory”? What are the criteria of optimal page replacement algorithm? Explain.

8. Write short notes on any three:

- (a) System call
- (b) Buffering
- (c) Spooling
- (d) Paging
- (e) Thrashing.

MP University