

LAGOS CITY POLYTECHNIC, IKEJA
SCHOOL OF ENGINEERING AND APPLIED SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

2013/2014 FIRST SEMESTER EXAMINATION

COURSE TITLE: OPERATING SYSTEM II	NO OF QUESTIONS : 7
COURSE CODE: COM 321	TIME ALLOWED: 2½ HRS
FOR WHOM: HND YR II CS	PT EXAMINER:
NO OF STUDENT: ANY	INSTRUCTIONS: ANSWER FIVE

QUESTIONS

1. (a) State five(5) functions of an operating system.
(b) What is a process? Explain the process states.
2. (a) Enumerate four(4) techniques of memory management. Discuss any one in details.
(b) Explain the concept of virtual memory.
(c) What is Deadlock? List any two(2) methods for handling deadlock.
3. Explain the following terms:
(i) Online and Batch processing system
(ii) Time sharing and Real-time processing system
(iii) Resident commands
(iv) Transient commands
4. Explain the following terms:
(i) Swapping
(ii) Paging
(iii) Segmentation
(iv) Fixed partition
5. Distinguish among the following three level of schedulers
(i) Job scheduler
(ii) Intermediate-level scheduler
(iii) Dispatcher
6. Write short notes on the following:
(i) Memory Management
(ii) Real-Time Operating System
(iii) Supervisor
(iv) Job Control Language
7. (i) What is an operating system? (ii) Mention five types of O/S known to you.

