

LAGOS CITY POLYTECHNIC, IKEJA
SCHOOL OF ENGINEERING AND APPLIED SCIENCE
DEPARTMENT OF COMPUTER SCIENCE
2015/2016 SEMESTER EXAMINATION

COURSE TITLE: OPERATING SYSTEM II	NO OF QUESTION: 6
COURSE CODE: COM 321/CTE 314	TIME: ALLOWED: 2HRS
FOR WHOM: HND YR II	CS, CE PT

INSTRUCTIONS: Answer any 4

Question

1. (a) What is an Operating System?
(b) What are the functions of an Operating System?
2. Explain the following terms:
(a) Process
(b) Process States
(c) Process State Transitions
(d) Process Control Block
3. Differentiate between the following:
(a) Preemptive and Nonpreemptive Scheduling
(b) Priority and Deadline Scheduling
4. Explain the Process States
5. Explain the following terms:
(a) Interprocess Communication
(b) Race Conditions
(c) Critical Section
(d) Mutual Exclusion
6. (a) Describe the process of Resource Allocation
(b) Why is Memory Management necessary?