



**NATIONAL OPEN UNIVERSITY OF NIGERIA,  
UNIVERSITY VILLAGE, PLOT 91 CADASTRAL ZONE NNAMDI  
AZIKIWE EXPRESSWAY JABI, ABUJA NIGERIA  
FACULTY OF MANAGEMENT SCIENCES  
DEPARTMENT OF PUBLIC ADMINISTRATION  
2024 1 EXAMINATION**

**COURSE CODE: PAD 306**

**COURSE TITLE: ECOLOGY OF PUBLIC ADMINISTRATION**

**CREDIT UNITS: 3**

**TIME ALLOWED: 2 Hrs**

**INSTRUCTIONS: 1. Attempt Three (3) questions in all, All questions carry equal marks  
3. Present all your points in coherent and orderly manner**

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(Q1) Every organization has its norms, values, interests, and acceptable way of behavior. Describe the concepts of Ethics and values

(1b) What are the functions of Ethics principles?

Q2a) Describe the principles of separation of power as it is applied in a democratic country Nigeria?

(2b) What are the checks and balances in the presidential system of government?

(Q3a) Describe the concept of bureaucracy in our society?

(3b) What are the characters of bureaucracy?

(4a) Enumerate and explain in details the characters of the public service?

(5a) What are the principles of bureaucracy

(5b) Enumerate the key features of an ideal type of bureacracy as postulated by Max Weber

ii. Explain the instruction for enabling interrupts and disabling interrupts in a processor.

[3Marks]

(c) What is concurrent processing in computer systems?

[4Marks]

#### Question Four

(a) Explain the implementation of kernel-level threads.

[5Marks]

(b) Discuss the advantages and disadvantages of kernel-level threads.

[5Marks]

(c) Describe the purpose of condition variables in monitors and their interaction with processes.

[5Marks]

#### Question Five

(a) Discuss fixed partitioning.

[5 Marks]

(b) Write a short note on replacement policies.

[4 Marks]

(c) Highlight the advantages and disadvantages of Semaphores.

[6 Marks]

#### Question Six

(a) Discuss Multithreading.

[6 Marks]

(b) A solution to a process synchronization problem should meet three important criteria. Write short note on them.

[4 $\frac{1}{2}$ Marks]

(c) Elucidate variable partitioning.

[4 $\frac{1}{2}$ Marks]