



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF HEALTH SCIENCES
EXAMINATION QUESTIONS
2024 1 EXAMINATION**

COURSE CODE: PHS 402

COURSE TITLE: INTRODUCTION TO PUBLIC HEALTH LAWS COURSE

UNITS: 2 CREDIT UNITS

DEPARTMENT: PUBLIC HEALTH

TIME ALLOWED: 2 HOURS

TOTAL MARKS: 70

INSTRUCTIONS: ANSWER ALL QUESTIONS

1. Write briefly on the following Principles of Public Health Law 25 Marks
 - a. polluter pay principle
 - b. precautionary principle
 - c. sustainable development principle
 - d. substitution principle
 - e. integration principle
2. List and Explain Five (5) Types of Public Health Offences 25 Marks
3. Define Public Health Laws Enforcement 10 Marks
4. List some processes involved in public health laws enforcement 10 Marks

Question 3

- 3a) Segmentation in computer memory management cannot be overemphasized. However, it has some overheads. Highlight these disadvantages. (3 marks)
- 3b) Discuss different state a process in operating system undergo. (5 marks)
- 3c). Discuss briefly the following communication processes support with examples where necessary: (12 marks)

Question 4

- 4a) A file is use to keep programs and data in a specific folder for process and abstraction. Explain the underline words. (6 Marks)
- 4b) Discuss the functions of operating system that makes it indispensable (6 marks)
- 4c). Discuss the process scheduling in operating system (8 Marks)

Question 5

- 5a) Virtually all computers provide a mechanism by which other modules (I/O, memory) may interrupt the normal sequencing of the processor. Provide the most common classes of interrupts being used for these operations. (1 mark)
- 5b) Examine the protection of computer through operating system (6 marks)
- 5c) Consider the following set of processes to be scheduled for execution on a Shortest Process Next (SPN) basis. (13 marks)

Process	Arrival Time (sec)	Execution Time (sec)	Service Time (sec)
P0	0	3	0
P1	2	1	3
P2	3	6	6

Compute the followings:

- i. Start time for each process (3 Marks)
- ii. Finish time for each process (3 Marks)
- iii. Turnaround time for each process (3 Marks)
- iv. Average turnaround time (1 Mark)
- v. Waiting time of each process (2 Marks)
- vi. Average Waiting Time (1 Mark)