



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA**  
**FACULTY OF HEALTH SCIENCES**  
**DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE**  
**2025\_1 EXAMINATION**

**COURSE CODE: EHS315**

**COURSE TITLE: INTERNATIONAL PORT HEALTH SERVICES**

**COURSE UNITS: 2 CREDIT UNITS**

**TIME ALLOWED: 1 ½ HOURS**

**TOTAL SCORE: 70 MARKS**

**INSTRUCTION: ANSWER ALL QUESTIONS**

- 1(a)i. Highlight four (4) key factors that led to the evolution and revision of the International Health Regulations (IHR) from inception to the present day **4 marks**  
ii. Define reservoir **2 marks**
- (b) How do the definitions of “public health emergency of international concern” and “public health observation” guide international responses to disease outbreaks? **4 marks**
- (c)i. Explain how increased movements of people and international trade contribute to the spread of communicable diseases? **4 marks**  
ii. What is the full meaning of the following acronyms **2 marks**  
i. TEPHINET  
ii. CDC
- (d) Discuss two (2) primary concerns regarding communicable diseases in industrialized versus developing countries **4 marks**
2. (a)i. Highlight the challenges that have hindered the effectiveness of the International Health Regulations (IHR) **2 marks**  
ii. Explain three (3) revisions aimed at addressing the challenges that have hindered the effectiveness of the International Health Regulations (IHR) **3 marks**
- (b)i. State three (3) advantages of the International Diseases Surveillance and Response (IDSR) strategy in strengthening public health systems in the African region **3 marks**  
ii Define Global Public Health Information Network (GPHIN) **2 marks**
- (c)i. State how the Guidelines on Drinking Water Quality (GDWQ), hygiene and Sanitation in Aviation ensure the safety of drinking water for passengers and crew on aircraft **3 marks**  
ii. Enumerate how lack of sufficient potable water on an aircraft can affect the safe use of lavatories and food preparation **2 marks**
- (d)i How does the International Diseases Surveillance and Response (IDSR) strategy enhance public health practices in the African region **3 marks**  
ii What is the role of Disease Surveillance and Notification Officers (DSNOs) in International Diseases Surveillance and Response (IDSR) strategy? **2 marks**
- (e)i. Highlight the key components of a Water Safety Plan (WSP) **4 marks**

- ii. How do the WHO Guidelines for Drinking-water Quality (GDWQ) ensure the quality and safety of drinking water? **1 mark**
- 3 (a)i. Highlight the statutory duties of port health authorities **3 marks**  
ii. How do port health authorities manage quarantine stations and isolation camps **2 marks**
- (b)i. What are the medical services provided to seamen under the Port Welfare Service in Nigeria? **2 marks**  
ii List three (3) organizations involved in the Port Welfare Service for seamen in Nigeria, and their roles? **3 marks**
- (c)i Enumerate the essential requirements for a designated approved port to ensure public health and safety? **3 marks**  
ii Why is it important for a designated approved port to have facilities for the isolation and care of infected persons? **2 marks**
- (d) Highlight the key measures for managing a suspected plague outbreak on a ship according to the International Health Regulations **5 marks**
- (e)i. Discuss the steps that must be taken by the commander of an aircraft upon landing to comply with port health regulations? **3 marks**  
ii. Enumerate the actions taken on an aircraft suspected or confirmed to be infected upon landing **2 marks**