



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI-ABUJA.
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE
2023_1 POP EXAMINATION.

COURSE CODE: EHS 415

COURSE TITLE: PUBLIC UTILITIES AND ENVIRONMENTAL HEALTH ISSUES

COURSE UNITE: 2 CREDITS

TIME ALLOWED: 1 ½ HOURS

TOTAL SCORE: 70 MARKS

INSTRUCTION: ANSWER ALL THE QUESTIONS

1a. Public Utilities refer to the collection of Specific services provided by public and private organisations and institutions that make up the public service industry. Discuss with examples the above sentence. **(10Marks)**

1b. Write short notes on the state of public utilities in Nigeria. **(5Marks)**

1c. State five (5) differences between Public Utilities and other business organizations. **(10Marks)**

2a. Discuss utility privatisation in Nigeria. **(5Marks)**

2b. Explain the following terms

- (i) Reuse of treated and untreated sewage **(5Marks)**
- (ii) Sewage and Algal Biomass Production **(5Marks)**

3a. Discuss briefly the following identified problems of water supply distribution in developing country

- Lack of adequate information on water resources. **(2Marks)**
- Poor management. **(2Marks)**
- Population growth without corresponding expansion of water supply. **(2Marks)**
- Gross reduction in duration of water supply. **(2Marks)**
- Pressure dependant flow condition. **(2Marks)**
- High risk of contamination. **(2Marks)**

3b. Highlight five (5) benefits of improving sanitation. **(5Marks)**

3c. There are several sources of air pollution. Enumerate five (5) natural sources of air pollution. **(5Marks)**

3d. Enumerate eight (8) preventive measures against fire incidence **(8Marks)**