

NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, National Azikiwe Expressway, Jabi-Abuja
FACULTY OF HEALTH SCIENCES
(Department of Environmental Health Science)
2023_2 EXAMINATIONS...

Course Code: EHS 505

Course Title: ENVIRONMENTAL EPIDEMIOLOGY

Course Unit: 2 Credit Units

Time Allowed: 1 ½ Hours

Total Score: 70 Marks

Instruction: Answer ALL the Questions

Question One

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| (a) Define cluster | 5 marks |
| (b) List the 4 processes of disease cluster investigation | 4 marks |
| (c) Define vital statistics and list ten (10) uses of vital statistics | 16 Marks |

Question Two

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|--|----------|
| (a) Define Environmental Epidemiology | 4 marks |
| (b) Mention six (6) basic characteristics to be considered in disease causation for making an acceptable inference | 6 marks |
| (c) Define each of the following epidemiological terms: | 15 marks |
| i. Physical agent | |
| ii. Demography | |
| iii. Natural history of a disease | |
| iv. Descriptive epidemiological studies | |
| v. Epidemic | |

Question Three

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|--|---------|
| (a) State any six (6) applications of poisson regression model | 6 marks |
| (b) Write short notes on each of the following: | 8 marks |
| i. Potential dose | |
| ii. Applied dose | |
| iii. Biologically effective dose | |
| iv. Internal dose | |
| (c) Write short notes on the following types of bias | 6 marks |
| i. Information bias. | |
| ii. Selection bias. | |