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

(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

(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

(a) State any six (6) applications of poison 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.