



**ELIZADE UNIVERSITY,
ILARA-MOKIN, NIGERIA**

FACULTY: BASIC & APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

FIRST SEMESTER EXAMINATION

2018/2019 ACADEMIC SESSION

COURSE CODE: EMT 201

COURSE TITLE: INTRODUCTION TO ENVIRONMENTAL SCIENCE

HOD's SIGNATURE

DURATION: 2 HOURS

NAME:.....

MAT. No:.....

INSTRUCTION: ANSWER FOUR (4) QUESTIONS IN ALL

1. (a) Discuss the environment division
(b) What are wetlands?
2. (a) Explain the inter-relationships between the different components and spheres of the environment?
(b) What are the characteristics of an ecosystem?
(c) Discuss the components of an ecosystem
3. (a) List the types of terrestrial ecosystem you have studied and discuss any two (2)
(b) What are the division of Ecology?
(c) Discuss briefly the Marine ecosystem
4. Discuss in details how various human activities can affect the different environmental components.
5. Explain concisely, the indicators of water pollution in the environment.
6. (a) Briefly explain the following terms:
 - (i) Geo-accumulation Index
 - (ii) Enrichment Factor
 - (iii) Pollution Index
 - (iv) Load pollution Index

(b) If the mean content of metals from at least five sampling sites is $10\mu\text{g/g}$ and the preindustrial concentration of individual metal is $2\mu\text{g/g}$. Calculate the pollution index of the soil in the sampling sites.