



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

FACULTY: BASIC & APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

FIRST SEMESTER EXAMINATION


2019/2020 ACADEMIC SESSION

COURSE CODE: EMT 309

COURSE TITLE: ENVIRONMENTAL GEOSCIENCES I

COURSE UNIT: 3 UNITS

DURATION: 2 HOURS



2020

HOD's SIGNATURE

NAME:.....

MAT. No:.....

INSTRUCTIONS Answer Any four(4) Questions

Answer Any Two (2) Questions from each section

SECTION A

1. (i) Differentiate between the different spheres of the earth
(ii) Mention the dwarf planets
(iii) What are the developmental stages of mineral resources? (15 marks)
2. (i) What are the physical properties used to determine mineral resources in an environment
(ii) Discuss on the classification of mineral resources based on their chemical composition
(iii) What are the factors to be considered before oil exploration in Niger/Delta region of Nigeria (15 marks)
3. (i) What are the factors of soil formation?
(ii) Differentiate between the different types of rock that you know.
(iii) Expantiate on the classification of mineral resources in Nigeria (15 marks)

SECTION B

4. (i) What do you understand by the term 'hazards'?
(ii) Explain four (4) major sources of hazards that you know. (15 marks)
5. (i) Overexposure to fluoride during the first eight years of life is harmful because this is the time most permanent teeth are being formed. The health condition after prolong exposure of teeth to fluoride is referred to as "Colorado Brown Stain". Suggest ways by which the effects of "Colorado Brown Stain" can be ameliorated in human.
(ii) Write briefly on Iodine deficiency in developing countries. (15 marks)
6. (i) Discuss on the term 'geological survey'.
(ii) Write briefly on the following:
(a) Arsenic pollution;
(b) Degree of Pollution;
(c) Selenium toxicity. (15 marks)