



**CRAWFORD UNIVERSITY, IGBESA,
COLLEGE OF NATURAL AND APPLIED SCIENCES
GEOLOGY AND MINERAL SCIENCES PROGRAMME
2016/2017 RAIN SEMESTER EXAMINATIONS**

COURSE TITLE: *INVERTEBRATE PALEONTOLOGY*

COURSE CODE: *GEM 224*

TIME ALLOWED: *2Hrs:30Mins*

INSTRUCTION: ANSWER QUESTION ONE (1) AND ANY OTHER TWO (2) QUESTIONS

1.
 - a. In your own understanding, how would you describe Paleontology?
 - b. Describe the preservation types in fossilization processes.
 - c. State the importance of the study of fossils to a geoscientist.

2. Describe the morphological characteristics of foraminifera based on the test composition and test arrangement.

3. Differentiate between the following paired terms:
 - a. Polyp and Medusa.
 - b. Benthonic and Planktonic organisms.
 - c. Ostia and Osculum.
 - d. Pinacocytes and Choanocytes..
 - e. Asconoid and Leuconoid.

4.
 - a. Define the following terms:
(i.) Calyx (ii.) Epitheca (iii.) Corallite (iv.) Axon (v) Septa.
 - b. Explain briefly the Phylum Porifera.

5.
 - a. Highlight the general characteristics of the phylum Mollusca.
 - b. Describe the various suture lines in Cephalopoda.