



UNIVERSITY OF MINES AND TECHNOLOGY, TARKWA

FIRST SEMESTER EXAMINATIONS, NOV/ DEC. 2018

COURSE NO: GL 277 Unihubgh.com

COURSE NAME: PALEONTOLOGY AND STRATIGRAPHY

CLASS: GL II

TIME: 3 HRS

Name: _____ Index Number: _____

ANSWER ALL QUESTIONS

- 1a. What is Paleontology? Give 3 importance of Paleontology **(7 marks)**
- 1b. How do fossils get preserved? Describe two methods that will cause a whole animal to be preserved. **(8 marks)**
- 2a. List and explain 4 of the Laws of stratigraphy **(6 marks)**
- 2b. Sketch and label the phylum Brachiopoda and give five characteristics of the Brachiopoda **(9 marks)**
- 3a Sketch the Phylum *Sarcodina* and label the parts. **(10 marks)**
- 3b Define the following terms:
- | | |
|--------------------|--------------------|
| i. Derived fossils | vi. Petrification |
| ii. Ichno-fossils | vii. Carbonisation |
| iii. Index fossil | viii. Amber |
| iv. Zone fossil | ix. Taxonomy |
| v. Eukaryote | x. Autotrophic |
- (10 marks)**
- 4a. Provide 5 criteria for index fossils **(5 marks)**
- 4b. Give 5 characteristics of Protista species **(5 marks)**

E. B. Fiadonu / D. Aikins