



CRAWFORD UNIVERSITY

FAITH CITY, IGBESA, OGUN STATE
COLLEGE OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF PHYSICAL & EARTH SCIENCES
GEOLOGY & MINERAL SCIENCES

Harmattan Semester Examinations (B.Sc. Degree), 2016/2017
COURSE: GEM 355 – Sedimentary Petrology and Sedimentology

Unit: 3Units Time Allowed: 2hrs 30mins.

Instructions: Answer Question 1 and 3 Others.

1.
 - a. Why do you study Sedimentary rocks?
 - b. Attempt a classification of sedimentary rocks with 4 examples each.
 - c. Write concise note on **any** of the sedimentary textures below:
 - i. Grain Fabric.
 - ii. Sphericity.
 - iii. Roundness.

2.
 - a. Describe 5 diagenetic processes in Sandstone.
 - b. List and describe different types of porosity.

3.
 - a. List the grain size analyses needed for the following sediments.
 - i. Glacial deposit
 - ii. River Sediments
 - iii. Conglomeratic deposit
 - b. State the importance of grain size analyses to a Geoscientist.

4.
 - a. Give a detailed description of Sedimentary Structures.
 - b. State the importance of its study.

5. Assuming you have collected a carbonate rock sample from Ibese in Ogun State during a field mapping exercise,
 - a. How would you classify your sample?
 - b. What would be the main components of your sample?

6. Attempt the classification of Sandstone with a suitable diagram.