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## CRAWFORD UNIVERSITY

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

Rain Semester Examinations (B.Sc. Degree), 2017/2018

**COURSE: GEM 222 – Mineral Resources      UNIT: 3 Units      TIME ALLOWED: 3Hrs**

**INSTRUCTION: Answer four (4) Questions in ALL**

1. a. Define energy resources. (5 marks)
- b. Explain primary energy and secondary energy resources. (5 marks)
- c. Give a tabular outline of sources, carriers and system of primary energy. (5 marks)
2. a. Give a brief explanation of mineral resources. (5 marks)
- b. Describe, in detail, the occurrence of primary energy resources. (10 marks)
3. Give a classification of mineral resources based on use. (15 marks)
4. Explain the following terms:
  - a. Fossil Fuel Bank. (5 marks)
  - b. Placer Mineral Group. (5 marks)
  - c. World Coal Reserve. (5 marks)
5. a. Explain, detail, the process of coal formation. (5 marks)
- b. Give a breakdown of Coal reserve. (5 marks)
- c. Highlight 5 types of Coal you know. (5 marks)
6. Explain the relationship between Photosynthesis and Fossil Fuel. (15 marks)