ELIZADE UNIVERSITY
FACULTY OF BASIC AND APPLIED SCIENCES
DEPARTMENT: PHYSICAL AND CHEMICAL SCIENCES
PROGRAMME: APPLIED GEOPHYSICS EXAM TITLE: DEGREE EXAMINATION
COURSE CODE & TITLE: AGP 102 – Introduction to Geophysics
TIME ALLOWED: 2 Hours SEMESTER/SESSION: 2nd / 2017/2018
INSTRUCTIONS: Write your matric number on the question paper and cover page of the exam booklet.
Answer any **THREE (3)** questions of your choice.
LEAVE YOUR QUESTION PAPER IN YOUR EXAM BOOKLET

HOD's SIGNATURE

1. (a) State the two classes of geophysics. Explain the focus of each.
   (b) Geologists and Geophysicist study rocks using different approaches, what are these approaches?
   (c) State **one (1)** likely benefit in geologists and geophysicists working together as a team?

   (20 marks)

2. (a) With focus on area of specialization, write on any **four (4)** of the following:
   (i) Seismologist (ii) Petroleum geophysicist (iii) Mining geophysicist (iv) Environmental geophysicist (v) Marine geophysicist
   (b) State **one (1)** information that a geophysicist could give to the following to enhance their professional practice (i) Civil engineer (ii) Agriculturist

   (20 marks)

3. (a) Distinguish between natural field and artificial field geophysical methods.
   (b) Describe **four (4)** societal needs that geophysics can address.
   (c) List **three (3)** subjects areas required to be a professional geophysicist.

   (20 marks)

4. (a) List **five (5)** geophysical methods and state the physical parameter measured by each of the methods.
   (b) State **one (1)** application of each method mentioned in 4(a) above.
   (c) Briefly explain what well-logging method is used for.

   (20 marks)