



UNIVERSITY EXAMINATION 2018/2019

SCHOOL OF PURE AND APPLIED SCIENCES
DEPARTMENT OF BIOLOGICAL SCIENCES

BACHELOR OF SCIENCE ENVIRONMENTAL SCIENCE, BACHELOR OF SCIENCE BIOTECHNOLOGY, BACHELOR OF SCIENCE ACTUARIAL SCIENCE, BACHELOR OF SCIENCE INFORMATION SCIENCE, BACHELOR OF SCIENCE ANIMAL HEALTH
REGULAR

UNIT CODE: ABCU001/PBCU001

UNIT TITLE: RESEARCH METHODS

DATE: WED 19TH DEC 2018 11.00AM

MAIN EXAM

TIME: 2 HOURS

INSTRUCTIONS:

Answer all questions in section A and any two questions in section B

SECTION A

1. Briefly explain the following; (4 Marks)
 - a) Role of research in society. *→ problem solving, social relations*
 - b) Meaning of research. *study of a topic*
- b) State five qualities of an effective research hypothesis. (5 Marks)
- c) State five reasons why literature review is important. (5 Marks)
- d) Differentiate between study population and target population. (4 Marks)
- e) State six precautions taken during data interpretation. (6 Marks)
- f) Using a topic of your choice write; (6 Marks)
 - i) Objectives of the study.

ii) Research hypothesis.

SECTION B

2. a) Discuss probability sampling methods. (10 Marks)
- b) Explain the principles of tabulation and the importation of tabulation in research. (10 Marks)
3. Discuss the layout of the research report. (20 Marks)
4. a) Explain post field logistic issues necessary for the researcher. (5 Marks)
- b) Explain the advantages of questionnaire in research. (5 Marks)
- c) Discuss the stages involved in experimental design. (10 Marks)