

DOWEN UNIVERSITY TWO  
COLLEGE OF HEALTH SCIENCES  
**PHYSIOLOGY PROGRAMME**  
400LEVEL B.Sc. EXAMINATION  
First Semester, 2021/2022 SESSION  
PHS 419 (ANIMAL EXPERIMENTATION)

**DATE:** March, 2022

**TIME:** 3Hours.

**INSTRUCTIONS:** \*Answer all questions \*Write your matriculation number clearly on every page of the answer booklet.

1. Write an essay on Biological Assays (20 mks)
2. List and explain the factors that must be considered in designing any physiological experiment (20 mks)
3. Write short notes on the following:
  - a. List the risks associated with using animals for experimentation (10 mks)
  - b. What are the conditions that must be met in using humans as subjects for experiments? (10mks)
  - c. List the factors that a researcher should look out for in order to ensure that animals to be used for a study are healthy. (10mks)