

BOWEN UNIVERSITY IWO
COLLEGE OF HEALTH SCIENCES
PHYSIOLOGY PROGRAMME

400LEVEL B.Sc. EXAMINATION

First Semester, 2021/2022 SESSION

PHS 421 (COMPARATIVE AND ENVIRONMENTAL PHYSIOLOGY)

DATE: March, 2022

TIME: 3Hours.

INSTRUCTIONS: *Answer all questions *Write your matriculation number clearly on every page of the answer booklet. *Answer questions 1 & 2 in a booklet and questions 3 & 4 in another booklet

1. Discuss nocturnal animals visual adaptation
2. Write short notes on the following:
 - a. Significance of comparative physiology
 - b. Echolocation in bats
3. Discuss the human physiological changes in an hyperthermia environment
4. Write short notes on the following:
 - a. Effects of microgravity on cardiovascular system
 - b. Haematological response to acute exposure to hypobarism