

**BOWEN UNIVERSITY IWO**  
**COLLEGE OF HEALTH SCIENCES**  
**PHYSIOLOGY PROGRAMME**  
**400LEVEL B.Sc. EXAMINATION**  
**First Semester, 2021/2022 SESSION**  
**PHS 415 (NEUROPHYSIOLOGY II)**

**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 the physiology of sleep (20 mks)
  2. In relation to their nuclei, discuss the functions of the hypothalamus (20 mks)
  3. Write short notes on the following:
    - a. Protective mechanisms of the brain (10 mks)
    - b. the clinical significant of the cerebellum (10mks)
    - c. the functions of the ascending tracts of the spinal cord (10mks)
    - d. Basal ganglia and its role in voluntary movement (10 mks)
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