

**BOWEN UNIVERSITY**  
**DEPARTMENT OF PHYSIOLOGY**  
**COLLEGE OF HEALTH SCIENCES**

400 LEVEL B.Sc. EXAMINATION  
Second Semester, 2018/2019 SESSION

**ENDOCRINOLOGY II - PHS 423**

**DATE:** 10<sup>th</sup> June, 2019

**TIME:** 3 Hours.

**INSTRUCTIONS:**

- Answer all questions
  - Write your matriculation number clearly on every page of the answer booklet
1. Write a comprehensive essay on Anti-diuretic hormone (20 mks)
  2. Write short notes on:
    - a. Hypothalamo-hypophyseal portal system (10 mks)
    - b. Methods of studying endocrine gland (10 mks)
  3. List the hormones of the anterior and posterior pituitary and briefly discuss their functions (10 mks)
  4. Write short notes on the following:
    - a. Enzyme-Linked Immunosorbent Assay (ELISA) (10 mks)
    - b. Radioimmunoassay (10 mks)
    - c. Extraction and purification of Growth hormones (10 mks)
  5. Discuss the physiology of gastrin (20 mks)