

**BOWEN UNIVERSITY IWO  
COLLEGE OF HEALTH SCIENCES  
PHYSIOLOGY PROGRAMME**

**300LEVEL B.Sc. EXAMINATION**

**First Semester, 2021/2022 SESSION**

**PHS 317 (KIDNEY FUNCTIONS, FLUID AND ELECTROLYTES BALANCE)**

**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. Write a comprehensive essay on the significance of renal clearance techniques. (20mks)
2. Write short notes on:
  - a. Nephron (10mks)
  - d. Counter-current multiplier system (10mks)
3. Discuss the regulation of sodium ion
4. Write short notes on:
  - a. Test of renal function (10 mks)
  - b. Micturition reflex (10mks)