

BOWEN UNIVERSITY IWO
COLLEGE OF HEALTH SCIENCES
PHYSIOLOGY PROGRAMME

400LEVEL B.Sc. EXAMINATION
Second Semester, 2021/2022 SESSION
PHS 412 (MEMBRANE TRANSPORT)

DATE: July, 2022

TIME: 2Hours.

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

1. Comprehensively explain the physiology of membrane transport (20 marks)
2. Expatiate on water transport in the small intestine and electrolyte transport across gall bladder (20 marks)
3. Write briefly on the following (10 marks):
 - a. Transport across proximal convoluted tubule
 - b. Methods that have been adopted to study membrane transport
 - c. Transport mechanisms across exocrine glands