

**BOWEN UNIVERSITY IWO**  
**COLLEGE OF HEALTH SCIENCES**  
**PHYSIOLOGY PROGRAMME**  
**300LEVEL B.Sc. EXAMINATION**  
**Second Semester, 2021/2022 SESSION**  
**PHS 326 (NEUROPHYSIOLOGY I)**

**DATE:** July, 2022

**TIME:** 3Hours.

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

1. Discuss the physiology of neuromuscular junction and its clinical significance (20 marks)
2. Discuss the steps involve in the generation of action potential in a nerve fibre (20 marks)
3. Write short notes on the following (10 marks each):
  - a. Receptor physiology
  - b. The basic organization of the nervous system with the aid of a diagram
  - c. Present in a tabular form, the characteristics of the following tissues; cardiac, smooth, and skeletal muscles