



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Sciences
Department of Pure and Applied Sciences
2021_2 EXAMINATION

COURSE CODE: BIO306

COURSE TITLE: GENERAL PHYSIOLOGY II

CREDIT: 2 units

TIME ALLOWED: 2 Hours

INSTRUCTION: Answer question ONE (1) and any other THREE (3) questions

- 1(a) Mention eight nitrogen waste products (**4marks**)
- (b) Succinctly mention the effect of autonomic Nervous system of the Following:
(i) Bronchioles (ii) Sweat **4marks**
- (c) Write a comprehensive note on hormones (**7marks**)
- (d) Terrestrial Invertebrates can respond to osmotic condition. Discuss (**10marks**)

- 2(a) Explain the movement of substances from region of higher concentration to that of lower concentration. (**5marks**)
- (b) Discuss the regulation of blood glucose to maintain a healthy life. (**10marks**)

- 3(a) Mention any six (6) types of reflexes. **6marks**
- (b) Briefly, explain what happens as the impulse reach the terminal end of the axon over the surface of the synapse process (**9marks**)

- 4(a) Outline the three (3) eye defects you know (**3marks**)
- (b) Describe and explain of the following parts of the eye:
(i) Retina (ii) Yellow spot (iii) Blind spot (iv) Lens (**12marks**)

- 5(a) List the factors that affect inhibition (**5marks**)
- (b) Give a detailed description of the thyroid and what happens when they are over or under secreted (**10marks**)