

BOWEN UNIVERSITY, IWO
COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE

2022/2023 FIRST SEMESTER EXAMINATION

PAB 309: GENERAL HISTOLOGY

Answer questions **one** and any two others.

Time allowed: 2 hours 20 minutes

1. (a) Write short notes on the followings:
 - i. Dense connective tissues
 - ii. Mesenchymal cells
 - iii. Fibroblast
 - iv. Macrophages
 - v. Mast cells

(15 marks)
- (b) Briefly discuss the following:
 - (i) Eosinophil *(5 marks)*
 - (ii) Neutrophil *(5 marks)*
 - (iii) Basophil *(5 marks)*
2. a. Define epithelial tissue *(2 marks)*
 - b. List five (5) principal functions of epithelial tissue *(10 marks)*
 - c. List types of simple epithelial tissue with two locations each *(6 marks)*
 - d. List two abnormalities in simple epithelial cells *(2 marks)*
3. (a) Give any five properties of erythrocytes *(10 marks)*
(b) Discuss the function of monocyte *(10 marks)*
4. Write a concise note on the lymphocytes *(20 marks)*
5. (a) Define the following terms:
 - i. Blood neutrophilia *(5 marks)*
 - ii. Blood eosinophilia *(5 marks)*
 - iii. Blood lymphocytosis *(5 marks)*
(b) Briefly explain the structure of the platelets *(5 marks)*