

BOWEN UNIVERSITY IWO, OSUN STATE
COLLEGE OF HEALTH OF BASIC MEDICAL SCIENCE
ANATOMY PROGRAMME

FIRST SEMESTER 2023/2024 SESSION

Date: THURSDAY 01/02/2024 EXAMINATION TIME: 2 ½ HOURS

HISTOCHEMISTRY/CYTOCHEMISTRY ANA 403 (2 UNITS)

*INSTRUCTIONS: Answer any **FIVE** questions.*

- 1a. 'Histochemistry is an important branch of anatomy,' discuss. 10 marks
- 1b. Trace the history of histochemistry from inception till date. 10 marks
2. Discuss how you can demonstrate for the presence of carbohydrate in biological tissues. 20 marks
3. What are the basic equipments needed and their functions in the histochemistry laboratory? 20 marks
- 4a. Discuss the term 'immunohistochemistry' 10 marks
- 4b. What is the importance of immunohistochemistry to biochemical sciences? 10 marks
5. Discuss the histochemical techniques for lipids 20 marks
6. Histochemical techniques are preferred over histological techniques. Briefly highlight the importance and limitations of these techniques 20 marks