BOWEN UNIVERSITY, IWO

(Of the Nigerian Baptist Convention)

COLLEGE OF HEALTH SCIENCES MEDICAL LABORATORY SCIENCE PROGRAMME 2021/2022 FIRST SEMESTER EXAMINATION

MLS 403; HISTOPATHOLOGY 1; TIME: 2HRS

INSTRUCTION: <u>ANSWER ANY TWO QUESTIONS FROM EACH SECTION</u> ALL QUESTIONS CARRY EQUAL MARKS

SECTION A

		SECTION A		
1.	i. C	e the following terms Cell culture Cryopreservation	(2 marks) (2 marks)	
	b) Differe	(6 marks)		
	c) List three (3) ways in which cells can be collected for propagation			
	d) List six (6) sources of biological contamination in a cell culture laboratory (6 marks)			
	e) Explain the following:			
	i. ii. iii.	Primary culture Cell line Cell strain	(2 marks) (2 marks) (2 marks)	
2.	. a) Define the following terms:			
	i. ii. iii.	Kidney disease Azotaemia Uraemia	(2 marks) (2 marks) (2 marks)	
	b) List	the five stages of chronic kidney disease	(5 marks)	
	c) Briefly discuss each of following diseases by stating the definition, prevalence and one test that is used in the diagnosis			
	i. ii.	Acute kidney disease Chronic kidney disease	(7 marks) (7 marks)	
3.	a) Live f	rive (5) gastrointestinal (GIT) diseases	(5 marks)	
	b) Write a short note on each of four (4) GIT diseases. Your answer should include definitions, clinical features, and laboratory diagnosis (20 marks)			

SECTION B

- 4. Describe in detail the standard Kaiserling's Method for the preparation of museum specimens (25 marks)
- 5. Write short notes on the following:
 - a. State two (2) Rules that are observed in fixing museum specimens and why they are important (5 marks)
 - b. State three uses of Medical Museum (5 marks)
 - c. List two Chemicals that are used in embalming and state the properties that qualify them for such use (5 marks)
 - d. Differentiate between embalming and plastination (5 marks)
 - e. Describe the properties of Injection points that used in embalming (5 marks)
- 6. a. Describe the steps involved in embalming (5 marks)
 - b. Describe two (2) embalming processes and state the advantages and disadvantages of each (20 marks)