

FACULTY: Basic and Applied Sciences

**DEPARTMENT: Physical and Chemical Sciences** 

FIRST SEMESTER EXAMINATIONS B

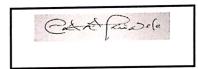
2019/2020 ACADEMIC SESSION

**COURSE CODE: BCH 205** 

COURSE TITLE: CELL AND MOLECULAR BIOLOGY

**DURATION:** 

2 Hrs



**HOD's SIGNATURE** 

## **TOTAL MARKS:**

Matriculation Number:

## **INSTRUCTIONS:**

- 1. Write your matriculation number in the space provided above and also on the cover page of the exam booklet.
- 2. This question paper consists of 1 page.
- 3. Answer all questions in the exam booklet provided.
- 4. More marks are awarded for problem solving method used to solving problems than for the final numerical answer.
- 5. Marks will be deducted for untidy work.
- 6. At the end of this examination, place the question paper inside the exam booklet.
- 7. Attempt any three (3) of the five (5) questions

			12 marks
(a)		Write short notes on each of the components of the cell membrane	1 & 111011 8.3
lb)		Explain the fluid mosaic model of the cell membrane	6 marks
2a)		Explain the cell theory	6 marks
2b)		Explain the important of lipid as a major constituent of cells	8 marks
2c)		Explain why carbon is unique in its occurrence in almost all biomolecules and i ability to generate complex structures in three dimensions.	n its 6 marks
3)		Briefly describe the following:	
	4. 5. 6. 7. 8. 9.	Plasmid Restriction Endonuclease DNA Ligase Fat soluble vitamins	
			20 marks
4)		Using a well labeled diagram differentiate between prokaryotic and eukaryotic of	20 marks
5)		What is an enzyme? Enumerate the different classification of enzymes and desc functions.	ribe their 20 marks