

BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS
BSU4245 – HUMAN PHYSIOLOGY – LEVEL 4
FINAL EXAMINATION-2020/2021

INDEX NO:

Part B – Structured Essay Questions

(40 marks)

1.

a. Name the main types of tissues that can be found in a human body? (04 marks)

.....
.....
.....
.....

b. Name a tissue that is characterized by the liquid nature of its matrix and absence of fibers? (02 marks)

.....
.....

c. State the main four (04) macro molecules of the body and their monomer units or building blocks. (08 marks)

.....
.....
.....
.....
.....

d. State the components of the nervous system? **(02 marks)**

.....
.....

e. Name the protective layers found around the CNS? **(01 marks)**

.....

f. List down the types of identified protective layers in e. **(03 marks)**

.....
.....
.....

2.

a. i. What is a reflex? **(02 marks)**

.....
.....

ii. Identify the components of the reflex arc? **(02 marks)**

.....
.....

b. Define the following terms **(04 marks)**

i. Cardiac out put

.....
.....

ii. Mean arterial pressure

.....
.....

c. State the major types of immune responses and give one example for each type.

(04 marks)

.....
.....
.....
.....
.....

d. Draw a labelled illustration (response curve) that shows the primary and secondary immune responses.

(05 marks)

e. State the main 03 stimuli for the secretion of gastrin hormone.

(03 marks)

.....
.....
.....

BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS
BSU4245 – HUMAN PHYSIOLOGY – LEVEL 4
FINAL EXAMINATION-2020/2021

INDEX NO:

Part C –Essay Questions

(40 marks)

1.
 - a. Explain the processes (step by step) involved in the formation of urine. **(10 marks)**
 - b. Give a brief description of protein synthesis. **(10 marks)**
2.
 - a. **Draw a clearly labelled diagram** that shows the 28 day ovarian and uterine cycles, with emphasis on hormonal levels and the occurrence of important events. **(10 marks)**
 - b. Explain the term positive feedback mechanism using childbirth (labour) as an example. **(10 marks)**

