



BACHELOR OF SCIENCE HONOURS IN NURSING
NSU3101 – ANATOMY AND PHYSIOLOGY – LEVEL 5
FINAL EXAMINATION
DURATION: TWO HOURS

DATE: 5th MARCH 2019

TIME: 09.30 AM – 11.30 AM

INDEX NO:

Part B – Short Answer Questions

(40 marks)

Write answers in the space provided.

2.1 Define the term “Glomerular filtration rate”.

[5 marks]

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2.2 Briefly explain the role of surfactant in the lung alveoli.

[10 marks]

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2.3 Write a brief account on the structure of cardiac muscle.

[10 marks]

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2.4 Draw a clearly labelled diagram of the hypothalamo-pituitary-ovarian axis.

[10 marks]

2.5 Draw a clearly labelled diagram that shows the structure of a typical neuron.

[5 marks]

INDEX NO:

Part C –Essay Questions*(30 marks)*

Answer only two (02) questions out of three (03) questions.

Write answers in separate sheets.

1. Describe the structure of the cell membrane in a typical mammalian cell.
[15 marks]

2. Describe the mechanisms that prevent blood loss when a blood vessel is damaged.
[15 marks]

3. Explain the role of pancreas in digestion, absorption and metabolism of lipids.
[15 marks]