



FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA
 Department of Nursing
 2nd End Semester Examination – 2022 – 2019/2020 (13th) Batch
 NUR 1211- Anatomy II - SEQ

Date: 27th September 2022 Time: 10.15 a.m. - 10.45 a.m. Duration: 30 minutes

Index Number:

Answer all questions.

Use the given space for answering.

1.

1.1. Human brain and spinal cord are the parts of central nervous system and the brain acts as the controlling center for all the body functions. However, in any dangerous circumstance, reflex arc allows fast, involuntary and unplanned actions to occur by activating spinal motor neurons without delaying the immediate response until it transfers through the brain.

1.1.1. State the main parts of the human brain. (14 marks)

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1.1.2. State the anatomical location of any five (5) parts you mentioned in 1.1.1. (20 marks)

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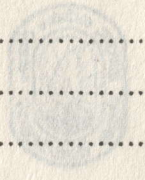
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1.1.3. Draw a labelled diagram of the reflex arc. (16 marks)

1.1 Human brain and spinal cord are the parts of central nervous system and the brain acts as the controlling center for all the body functions. However, in any dangerous circumstances, reflex arc allows fast involuntary and unplanned actions to occur by activating spinal motor neurons without delaying the immediate response until it transmits through the brain.

1.1.1. Draw the main parts of the human brain. (14 marks)

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1.1.2. State the anatomical location of any five (5) parts you mentioned in 1.1.1. (10 marks)

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1.2. Kidneys are the main excretory organs in the human body which start development from the 3rd week of the embryological stage. Each kidney contains 1-2 million nephrons, which serve as the functional unit of the kidney.

1.2.1. Mention the two (2) types of nephrons with their rates of availability and location. (8 marks)

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1.2.2. State the three (3) pairs of kidneys that develop periodically during embryological development. (12 marks)

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1.2.3. Briefly describe the anatomy of the cross section of the human kidney by using a labelled diagram? (30 marks)

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