



FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA
 Department of Nursing
 2nd End Semester Examination – 2020 - 11th Batch
 Physiology II (NUR 1222) – SEQ



Date: 6th October 2020

Time: 10.30 a.m.-11.30 a.m.

Duration: 1 hour

Index Number:

Answer all questions.

1.

1.1

1.1.1. Define pain.

(06 marks)

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1.1.2. What is the receptor for pain?

(04 marks)

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1.1.3. Where do you find pain receptors?

(10 marks)

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1.1.4. State **four (04)** differences between fast and slow types of pain.

(12 marks)

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1.1.5. Define "Referred pain" giving **one (01)** example for a referred pain.

08 marks)

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1.2

1.2.1. Describe the mechanism of action of insulin in increasing the entry of glucose into the muscle. (10 marks)

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1.2.2. Describe how insulin facilitates entry of glucose into liver cells. (10 marks)

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1.2.3. State **two (02)** symptoms of diabetes mellitus. (04 marks)

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1.2.4. State **three (03)** sites where H^+ are secreted into the renal tubular fluid. (06 marks)

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1.2.5. Explain the term 'limiting pH' for H^+ secretion in the renal tubule. (15 marks)

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1.2.6. Name **three (03)** buffers in the renal tubular fluid and name the site of action in the nephron. (15 marks)

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Answer all questions.

2.

2.1 Describe hormonal changes occur in the two phases of the menstrual cycle. (30 marks)

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2.2. Describe the hormonal changes that occur after the menopause. (20 marks)

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2.3. Define GFR. (10 marks)

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2.4. Describe how the kidney helps to maintain blood pressure. (40 marks)

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