



FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA  
 Department of Nursing  
 2<sup>nd</sup> End Semester Examination – 2022 – 2019/2020 (13<sup>th</sup>) Batch  
 NUR 1222 – Physiology II - SEQ

Date: 26<sup>th</sup> September 2022

Time: 10.45 a.m.-11.45 a.m.

Duration: 1 hour

Index Number: .....

Answer all questions. Use the given space for the answers.

1.

1.1. Define 'deafness'. (10 marks)

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1.2. State two (2) types of deafnesses? (10 marks)

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1.3. State five (5) causes for deafness, with the type of deafness. (10 marks)

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1.4. State a function of the Eustachian tube. (10 marks)

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1.5. State the changes that occur in pupil of the eye

a) during sympathetic stimulation. (5 marks)

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b) during parasympathetic stimulation. (5 marks)

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2.

2.1. List three (03) substances that are freely filtered by the glomerulus. (06 marks)

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2.2. List two (02) substances that are completely reabsorbed in the proximal convoluted tubule in a healthy person. (04 marks)

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2.3. State the tonicity of filtrate at following points of the renal tubule, compared to the plasma in a healthy individual (Isotonic, hypertonic or hypotonic) (10 marks)

- a. Bowman's capsule - .....
- b. End of proximal convoluted tubule - .....
- c. End of descending limb of loop of Henley - .....
- d. Beginning of distal tubule - .....

2.4. Describe why glucose urea is seen in a patient with uncontrolled diabetes mellitus. (30 marks)

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