

UNIVERSITY OF RUHUNA  
FACULTY OF MEDICINE  
ALLIED HEALTH SCIENCES DEGREE PROGRAMME

1 076

First End-Semester Examination for B.Sc. Nursing Degree

BHS 1 Basic Sciences Paper II - Time: 3.00 hours  
Part -A

October 2013

Index Number:

Answer all Six Questions separately in the given space (30 min for each question)

1.1 List the layers of the anterior abdominal wall. (15 marks)

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1.2 Using a labeled diagram indicate the layers of the gastrointestinal tract (15 marks)

1.3 Draw a labeled diagram showing the nine regions of the abdomen and name one structure each that underlies the respective regions. (20 marks)





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BHS 1 Basic Sciences Paper II  
Part -B

October 2013

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077

Index Number:

Answer all Six Questions separately in the given space (30 min for each question)

2.1 Name the cranial nerves which have parasympathetic function. (20 Marks)

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2.2 Briefly describe the nerve supply to the tongue. (30 Marks)

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2.3 Name the main arteries that supply the brain and state the route they enter the cranial cavity

(25 Marks)

2.4 Draw a labeled diagram of the eye to show its anatomy.

(25 Marks)

Semester Examination for B.Sc. Nursing Degree

**BHS 1 Basic Sciences Paper II**  
**Part -C**

Answer all Six Questions separately in the given space (30 min for each question)

**3.1** List five (5) functions of a cell (15 marks)

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**3.2** List five (5) types of conjugated proteins (15 marks)

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**3.3** List five (5) factors affecting enzyme activity? (15 marks)

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**First End-Semester Examination for B.Sc. Nursing Degree**

**BHS 1 Basic Sciences Paper II  
Part -D**

**October 2013**

**Index Number:**

**Answer all Six Questions separately in the given space (30 min for each question)**

4.1 What is cyanosis? (10 marks)

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4.2 State types of cyanosis. (10 marks)

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4.3 What is hypoxia ? (10 marks)

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4.4 Explain physiological basis for cyanosis in hypoxic hypoxia. (30 marks)

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October 2013

BHS 1 Basic Sciences Paper II  
Part -E

Index Number:

Answer all Six Questions separately in the given space (30 min for each question)

5.1 Draw a clearly labeled diagram of an ECG wave (20 Marks)

5.2 What event of the electrical activity of the cardiac cycle is represented by the (30 Marks)

5.2.1 P wave of ECG: .....

5.2.2 QRS complex of ECG: .....

5.2.3 T wave of ECG: .....

5.3 State three (03) situations in which the heart rate is

(30 Marks)

5.3.1 higher than normal : -----

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5.3.2 lower than normal :-----

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5.4 State two (02) ECG changes that occur in acute myocardial infarction (MI)

(20 Marks)

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