

February 2009

[KU 1010]

Sub. Code: 4701

**B.Sc (Nursing ) DEGREE EXAMINATION**  
(New Regulations for the candidates admitted from 2006-07 onwards)

**First Year**

**Paper I – ANATOMY AND PHYSIOLOGY**

**Q.P. Code : 664701**

**Time : Three hours**

**Maximum : 75 marks**

**Answer ALL questions.**

**Answer Section A and Section B SEPARATELY.**

**SECTION – A**

**(ANATOMY)**

**I. Essay:** (1 x 15 = 15)

1. Describe the uterus under the following heads:  
a) Situation    b) Normal position    c) Parts  
d) Relations    e) Blood Supply    f) Supports    g) Applied anatomy.

**II. Write Short Notes on :** (3 x 5 = 15)

1. Median cubital vein – formation, situation, applied anatomy.
2. Gluteus maximus – Origin, insertion, nerve supply, applied anatomy.
3. Trachea – length, histology and divisions.

**III. Short Answer Questions:** (5 x 2 = 10)

1. Name any two endocrine glands.
2. Mention the terminal branches of Brachial artery.
3. Give two examples of a Hinge joint.
4. Mention the branches of the trigeminal nerve.
5. Mention the types of cartilage.

**SECTION – B**  
**(PHYSIOLOGY)**

**I. Essay:** (1 x 15 = 15)

1. Write in detail the physiological changes occurring in different phases of menstrual cycle. Add a note on female contraceptive devices.

**II. Write Short Notes on :** (2 x 5 = 10)

1. Functions of skin.
2. Composition and functions of cerebrospinal fluid.

**III. Short Answer Questions:** (5 x 2 = 10)

1. Pulse.
2. Types of WBC's and functions.
3. What are the neural centres for respiration.
4. Gigantism.
5. List any two functions of bile.

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August 2009

[KV 1010]

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**Answer ALL questions.**

**Answer Section A and Section B SEPARATELY.**

**SECTION – A**

**(ANATOMY)**

**I. Essay:** (1 x 15 = 15)

1. Name the types of circulation. Describe in detail about blood supply of heart along with its applied anatomy.

**II. Write Short Notes on :** (3 x 5 = 15)

1. Uterus.
2. Structure of kidney.
3. Radial artery.

**III. Short Answer Questions:** (5 x 2 = 10)

1. Name the types of muscle.
2. Name any four hormones secreted by pituitary gland.
3. Name the layers of skin.
4. Mention any for lymphoid organs present in our body.
5. Name the muscles of Respiration.

**SECTION – B**

**(PHYSIOLOGY)**

**I. Essay:** (1 x 15 = 15)

1. Define blood pressure? What is the normal value of blood pressure?  
Mention and discuss in brief the various factors which influence blood pressure

**II. Write Short Notes on :** (2 x 5 = 10)

1. Hypoxia.
2. Functions of liver.

**III. Short Answer Questions:** (5 x 2 = 10)

1. Name any two hormones produced by the ovary?
2. List the name of any two neuroglial cells.
3. Mention any two functions of skin.
4. Name any two enzymes which helps in digestion of carbohydrates.
5. List any two contractile proteins present in the skeletal muscle.

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February 2010

[KW 1010]

Sub. Code: 4701

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**(New Regulations for the candidates admitted from 2006-07 onwards)**

**First Year**

**Paper I – ANATOMY AND PHYSIOLOGY**

**Q.P. Code : 664701**

**Time : Three hours**

**Maximum : 75 marks**

**Answer ALL questions.**

**Answer Section A and Section B SEPARATELY.**

**SECTION A (ANATOMY)**

**I. Essay:** (1 x 15 = 15)

1. Enumerate the organs of digestion including accessory organs of digestion. Describe in detail about stomach under the following headings:  
a) Situation                      b) Parts                      c) Relation      d) Blood supply  
e) Nerve supply                  f) Applied anatomy.

**II. Write Short Notes on :** (3 x 5 = 15)

1. Deltoid muscle - origin, insertion nerve supply and applied anatomy.
2. Pancreas along with applied anatomy.
3. Ovary.

**III. Short Answer Questions:** (5 x 2 = 10)

1. Name the organs of respiration.
2. Mention the types of bone.
3. Name the branches of coronary artery.
4. Give two examples of ball and socket joint.
5. Name the layers of uterus.

**SECTION B (PHYSIOLOGY)**

**I. Essay:** (1 x 15 = 15)

1. Discuss in detail the various stages of erythropoiesis and the factors influencing erythropoiesis. Add a note on functions of blood.

**II. Write Short Notes on :** (2 x 5 = 10)

1. Digestion in the stomach.
2. Gas exchange in lungs.

**III. Short Answer Questions:** (5 x 2 = 10)

1. Two functions of kidney.
2. Define reflex action.
3. What are the hormones secreted by anterior pituitary.
4. Draw a diagram of conducting system of heart.
5. List the contraceptive measures in a female.

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[KY 1010]

February 2011

Sub. Code: 4701

**B.Sc (Nursing) DEGREE EXAMINATION**  
(New Regulations for the candidates admitted from 2006-07 onwards)

First Year

**Paper I – ANATOMY AND PHYSIOLOGY**

*Q.P. Code : 664701*

**Time : Three hours**

**Maximum : 75 marks**

**Answer ALL questions.**

**Answer Section A and Section B SEPARATELY.**

**SECTION A**

**(ANATOMY)**

**I. Essay:**

**(1X15=15)**

1. Describe the mammary gland under the following headings: (i) Shape (ii) Surfaces (iii) Structure (iv) Blood supply (v) Lymphatic drainage (vi) Applied anatomy.

**II. Write Short Notes on :**

**(3X 5 =15)**

1. Tongue – Parts, surfaces, muscles, nerve, supply.
2. Urinary Bladder – Parts, surfaces, capacity, interior.
3. Draw and label the eye ball.

**III. Short Answer Questions:**

**(5X 2 =10)**

1. Enumerate the contents of the spermatic cord.
2. Name the major openings in the Diaphragm.
3. Mention the parts of the pancreases.
4. Mention the upper and lower extent of the spinal cord in adult.
5. Name the arteries supplying the heart and their origin.

**SECTION B**

**(PHYSIOLOGY)**

**I. Essay:**

**(1X15=15)**

1. Discuss in detail the different stages of erythropoiesis and the factors necessary for erythropoiesis.

**II. Write Short Notes on :**

**(2X 5 =10)**

1. Enumerate the functions of Saliva.
2. Describe the conductive system of the heart.

**III. Short Answer Questions:**

**(5X 2 =10)**

1. What is calcium and its effect on serum calcium level?
2. Name the two important waste products excreted by the Kidneys.
3. What are the two hormones secreted by posterior pituitary gland?
4. Write two functions of gall bladder.
5. Mention two uses of ECG.

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August 2011

[KZ 1010]

Sub. Code : 4701

**B.Sc (Nursing) DEGREE EXAMINATION**

**(New Regulations for the candidates admitted from 2006-07 onwards)**

**First Year**

**Paper I – ANATOMY AND PHYSIOLOGY**

***Q.P. Code : 664701***

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

**Answer Section A and Section B SEPARATELY.**

**SECTION A (ANATOMY)**

**I. Essay** (1 x 20 = 20)

1. Classify the Nervous system and write in detail about the functional areas of Cerebrum.

**II. Write Short Notes:** (4 x 5 = 20)

1. Deltoid muscle – Origin, insertion, nerve supply, action, applied anatomy.
2. Blood supply to heart – Arterial supply, venous drainage, and applied anatomy.
3. Stomach – Position, parts, blood supply, nerve supply, applied anatomy.
4. Circle of Willis – Formation, area of supply and applied anatomy.

**III. Short Answers Questions:** (5 x 2 = 10)

1. Write the parts of Fallopian tube.
2. Mention any two connective tissue cells.
3. Draw the structure of nephron.
4. Name the contents of middle ear cavity.
5. Mention the three layers of adrenal cortex.

**SECTION B (PHYSIOLOGY)**

**I. Essay** (1 x 20 = 20)

1. Write in detail the mechanism of urine formation.

**II. Write Short Notes:** (4 x 5 = 20)

1. Describe the functions of placenta.
2. Mention the physiological factors affecting blood pressure.
3. Oxygen transport.
4. Functions of Liver.

**III. Short Answers Questions:** (5 x 2 = 10)

1. Mention two functions of Hydrochloric acid.
2. Write two functions of Surfactant.
3. Name different refractory errors of the eye.
4. What is Tetany?
5. Name different types of muscle tissue.

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**February 2012**

**[LA 1010]**

**Sub. Code: 4701**

**B.Sc (Nursing) DEGREE EXAMINATION  
(New Regulations for the candidates admitted from 2006-07 onwards)**

**First Year**

**Paper I – ANATOMY AND PHYSIOLOGY**

***Q.P. Code : 664701***

**Time : Three hours**

**Maximum : 75 marks**

**Answer ALL questions.**

**Answer Section A and Section B SEPARATELY.**

**SECTION A**

**(ANATOMY)**

**(37)**

**I. Elaborate on:**

**(1X12=12)**

1. Enumerate the parts of respiratory system and write in detail about the Lung.

**II. Write notes on :**

**(3X 5 =15)**

1. Urinary Bladder – Position, external features, relations and applied anatomy
2. Blood supply of Brain.
3. Gluteus maximus.

**III. Short Answer:**

**(5X 2 =10)**

1. Name any two contents of cubital fossa.
2. Mention the neuroglial cells.
3. Give two examples for ball and socket joint.
4. Write any two characteristic features of skeletal muscle.
5. Mention the three coverings of eyeball.

**SECTION B**

**(PHYSIOLOGY)**

**(38)**

**I. Elaborate on:**

**(1X13=13)**

1. Define Immunity. How do you classify Immunity? Add a note on the various functions of T lymphocytes and B lymphocytes.

**II. Write notes on :**

**(3X 5 =15)**

1. Functions of placenta.
2. Dwarfism.
3. Surfactant.

**III. Short Answer:**

**(5X 2 =10)**

1. Mention any two functions of blood.
2. Name any two hormones produced by the adrenal cortex.
3. List any two functions of CSF.
4. Name any four primary tastes.
5. List any two physiological properties of skeletal muscle.

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