

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.

August 2009

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**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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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.
