

[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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