

[BSCN 0824]

AUGUST 2024

Sub. Code: 4701

**B.Sc. (Nursing) DEGREE EXAMINATION
(Regulation 2006-2007 onwards)****FIRST YEAR
PAPER I – ANATOMY & PHYSIOLOGY
Q.P. Code: 664701****Time : Three Hours****Maximum : 75 Marks****Answer Section A and Section B Separately****SECTION - A
(ANATOMY)****I. Elaborate on:** (1 x 12 = 12)

1. Name the organs and functions of Respiratory system. Describe in detail about the Lung.

II. Write notes on: (3 x 5 = 15)

1. Deltoid muscle – Origin, insertion, nerve supply, action and the structures covered by it.
2. Mammary gland.
3. Structural differences between Skeletal, Cardiac and Smooth muscles.

III. Short answers on: (5 x 2 = 10)

1. Name the veins used for Intervinous injection.
2. Name parts of large intestine.
3. Name the coverings of testis.
4. Name the parts of cortex of suprarenal gland.
5. Ear ossicles.

**SECTION - B
(PHYSIOLOGY)****I. Elaborate on:** (1 x 13 = 13)

1. What is Metabolism? Explain the carbohydrates, protein and fat absorption.

II. Write notes on: (3 x 5 = 15)

1. Functions of middle ear.
2. Erythroblastosis Fetalis.
3. Micturition.

III. Short answers on: (5 x 2 = 10)

1. List any two contractile proteins present in the skeletal muscle.
2. What are the neural centres for respiration?
3. Define reflex action.
4. What are the hormones secreted by Adrenal cortex?
5. Mention two uses of ECG.