

[LJ 1010]

AUGUST 2016

Sub. Code: 4701

B.Sc. (Nursing) DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2006-07 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. Draw and label a neat diagram of urinary system. Write in detail about the kidney.

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

1. Pancreas.
2. Blood supply of heart.
3. Mammary gland.

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

1. Name the muscles used for intramuscular injection.
2. Write the vertebral level for lumbar puncture and level of termination of spinal cord .
3. Write any two characteristic features of cardiac muscle.
4. Name any two hernias.
5. Write the parts of fallopian tube.

SECTION B
(PHYSIOLOGY)

I. Elaborate on : **(1 x 13 = 13)**

1. Describe in detail with a help of diagram the mechanism of skeletal muscle contraction.

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

1. Factors affecting glomerular filtration rate.
2. Trace the visual pathway.
3. Neural regulation of respiration.

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

1. Any two functions of cell membrane.
2. Any four functions of thyroid hormone.
3. Functions of red blood cells.
4. What is vital capacity? Give the normal value.
5. Name any two contraceptive methods.
