

[LL 164]

OCTOBER 2017

Sub. Code: 2059

**M.D. DEGREE EXAMINATION
BRANCH XVI – GERIATRICS**

PAPER I – APPLIED BASIC SCIENCES IN GERIATRIC MEDICINE

Q.P. Code :202059

Time: Three Hours

Maximum : 100 Marks

Write Notes on :

I. ANATOMY:

(4 x 5 = 20)

1. Describe the anatomy of coronary arteries.
2. Describe the innervations of urinary bladder and different types of pathological bladder.
3. Nigro striatal pathway in health and disease.
4. Bronchopulmonary segments.

II. PHYSIOLOGY:

(4 x 5 = 20)

1. Maintenance of calcium hemostasis.
2. Hepcidin and its significance.
3. Cardiac cycle.
4. Pulmonary function tests.

III. BIO-CHEMISTRY:

(3 x 5 = 15)

1. Anion gap and its significance.
2. Enzymes estimation in Myocardial Infarction.
3. Inflammatory markers and its role in aging.

IV. PHARMACOLOGY:

(3 x 5 = 15)

1. Selective estrogen receptor modulators.
2. Amiodarone toxicity.
3. Anticoagulants, indications and side effects in elderly.

V. MICROBIOLOGY:

(3 x 5 = 15)

1. Community acquired pneumonia.
2. Gene expert.
3. Immunology of Ageing.

VI. PATHOLOGY:

(3 x 5 = 15)

1. Neuropathology of Alzheimers Disease.
2. Myelodysplasia, Myelofibrosis.
3. Asthma and Chronic Bronchitis.
