

**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 Facial nerve and its applied anatomy.
2. Portal circulation and applied anatomy.
3. Anatomy of parathyroid glands.
4. Basal ganglion.

**II. PHYSIOLOGY: (4 x 5 = 20)**

1. Cerebellar functions.
2. Frank starlings law in cardiac failure.
3. Balance mechanism.
4. Arterial blood gas analysis.

**III. BIO-CHEMISTRY: (3 x 5 = 15)**

1. Serum electrophoresis.
2. Essential Amino Acids.
3. Isoenzymes.

**IV. PHARMACOLOGY: (3 x 5 = 15)**

1. Pharmacokinetics in elderly.
2. 5 alpha reductase inhibitors.
3. Inotropes.

**V. MICROBIOLOGY: (3 x 5 = 15)**

1. H. Pylori.
2. Polymerase chain reaction.
3. Cerebral malaria.

**VI. PATHOLOGY: (3 x 5 = 15)**

1. Tumour markers.
2. Renal cell carcinoma.
3. Emphysema.

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