

**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. Broncho pulmonary segments.
2. Nuclei of thalamus.
3. Innervation of urinary bladder.
4. Conductive system of Heart.

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

1. Counter current mechanism.
2. Cardiac output.
3. Temperature regulation.
4. Frontal lobe functions.

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

1. Ketone bodies and its clinical significance.
2. Diagnostic tests for vitamin B12 deficiency.
3. Serum osmolality.

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

1. Prescribing cascade.
2. Newer antipsychotics
3. Medical management of Benign prostatic hypertrophy.

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

1. Covid – 19.
2. Herpes zoster.
3. Aspiration Pneumonia.

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

1. Pathology in Alzheimer's disease.
2. Cardiac vegetations.
3. Inflammaging.

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