

**M.D. DEGREE EXAMINATION
BRANCH I –GENERAL MEDICINE**

APPLIED BASIC SCIENCES IN GENERAL MEDICINE

Q.P. Code: 202000

Time: Three Hours

Maximum: 100 marks

Write notes on:

I. ANATOMY (4X5=20)

1. Coronary arteries & its branches-clinical importance.
2. Pyramidal tract & its applied anatomy.
3. Microscopic structure of Kidney.
4. Lymphatic drainage of the lungs.

II. PHYSIOLOGY (4X5=20)

1. Describe Erythropoiesis.
2. Structure and Functioning of Neuromuscular junction.
3. Interpretation of Lung function tests.
4. Regulation of secretion of Pituitary hormones.

III. BIO-CHEMISTRY (3X5=15)

1. Neoglucogenesis and its importance.
2. Uric acid metabolism in health and disease.
3. Biological markers of malignancy.

IV. PHARMACOLOGY (3X5=15)

1. DPP IV inhibitors-Indications & clinical benefits.
2. Discuss Bosentan.
3. Clinical use of Carbapenams.

V. MICROBIOLOGY (3X5=15)

1. Microbes causing acute cystitis.
2. Classification of Bacterial food poisoning.
3. Hand washing-current importance.

VI. PATHOLOGY (3X5=15)

1. Lobar pneumonia.
2. Nephrotic syndrome.
3. Alcoholic cirrhosis.
