

**M.D. DEGREE EXAMINATION**  
**BRANCH I – GENERAL MEDICINE**  
**PAPER I – APPLIED BASIC SCIENCES IN GENERAL MEDICINE**

*Q.P. Code :202000*

**Time : Three Hours**

**Maximum : 100 Marks**

**Write Notes on:**

**I. ANATOMY:** **(4 x 5 = 20)**

1. Accessory muscles of inspiration and expiration.
2. Porto systemic anastamosis.
3. Middle Cerebrel artery.
4. Meckel's diverticulum.

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

1. Pavlov's Experiment.
2. Erythropoietin.
3. Physiological Deadspace.
4. Proximal convoluted tubule.

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

1. Renal function Test.
2. Serum Electrolytes.
3. Lipid Profile.

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

1. Recombinant Tissue Plasminogen activator.
2. Drug therapy for XDR-TB.
3. Common complications of Antibiotics.

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

1. Pathogenesis of Diabetic Ketoacidosis.
2. Tuberculous Lymphadenitis.
3. Pathological changes in acute Myocardial infarction.

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

1. Blood Enteric culture.
2. Pleural Fluid Analysis.
3. Throat Swab.

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