

**M.D. DEGREE EXAMINATION
BRANCH VII – PAEDIATRICS
ALLIED BASIC SCIENCES IN PAEDIATRICS
*Q.P. Code : 202030***

Time: Three Hours

Maximum: 100 marks

Write notes on:

I. ANATOMY (4X5=20)

1. CSF circulation, diagram of ventricular system and CSF flow.
2. Development of trachea and esophagus and types of Tracheo-esophageal fistula.
3. Development of Testes and its anomalies.
4. Describe the septae of heart and its development.

II. PHYSIOLOGY (4X5=20)

1. Functions of Platelets and tests for platelet deficiency.
2. Digestion and absorption of proteins.
3. Renal function tests.
4. Physiology of Lactation.

III. BIO-CHEMISTRY (3X5=15)

1. Essential amino acids.
2. Glucose tolerance tests.
3. Surfactant.

IV. PHARMACOLOGY (3X5=15)

1. Inotropic agents.
2. Amikacin.
3. Inhalational steroids.

V. MICROBIOLOGY (3X5=15)

1. Negri Bodies.
2. Dengue virus.
3. Screening tests for Blood transfusion.

VI. PATHOLOGY (3X5=15)

1. Hemorrhagic ascites.
2. Pathophysiology of Hyaline Membrane Disease.
3. Pathogenesis of active rickets.
