

[LQ 135]

AUGUST 2020
(MAY 2020 SESSION)

Sub. Code: 2030

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

PAPER I – APPLIED BASIC SCIENCES IN PAEDIATRICS

Q.P. Code: 202030

Time: Three Hours

Maximum: 100 Marks

Write notes on:

I. ANATOMY:

(4 x 5 = 20)

1. Development of Urogenital System.
2. Fetal circulation.
3. Cervical Lymph nodes.
4. Brachial Plexus.

II. PHYSIOLOGY:

(4 x 5 = 20)

1. Surfactant.
2. Physiology of thrombogenesis.
3. Physiology of sleep and sleep disorders.
4. ABO incompatibility.

III. BIO-CHEMISTRY:

(3 x 5 = 15)

1. Organic acidemia.
2. Metabolic alkalosis.
3. Congenital adrenal hyperplasia.

IV. PHARMACOLOGY:

(3 x 5 = 15)

1. Treatment of Resistant TB.
2. Never antiviral drugs.
3. Monoclonal Antibodies.

V. MICROBIOLOGY:

(3 x 5 = 15)

1. Opportunistic infections in HIV.
2. Lab diagnosis.
3. PCR and its applications.

VI. PATHOLOGY:

(3 x 5 = 15)

1. Genetic basis of Acute Lymphatic Leukemia.
2. Flowcytometry.
3. Pathophysiology of Acute graft Versus Host Disease.
