

(LP 135)

OCTOBER 2019

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. Cleft lip and palate.
2. Neural tube defect.
3. Applied Anatomy of facial nerve.
4. Chromosomal translocation.

II. PHYSIOLOGY:

(4 x 5 = 20)

1. Hormones of lactation.
2. Coagulation cascade.
3. Normal cardiac cycle and supraventricular tachycardia.
4. Calcium phosphorus metabolism and clinical significance.

III. BIO-CHEMISTRY:

(3 x 5 = 15)

1. Phenylketonuria.
2. Thyroid function tests.
3. Galactosemia.

IV. PHARMACOLOGY:

(3 x 5 = 15)

1. Inhalation steroids.
2. IV Immunoglobulin.
3. Newer anticonvulsants.

V. MICROBIOLOGY:

(3 x 5 = 15)

1. Zika virus infection.
2. Rapid diagnostic test for malaria.
3. Investigations for Leptospirosis.

VI. PATHOLOGY:

(3 x 5 = 15)

1. Lab findings in Hemolytic Uremic Syndrome.
2. Pathophysiology of Necrotising Enterocolitis.
3. Von Willebrand Disease.
