

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MD 05222]

MAY 2022

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. Erb's and Klumpke's paralysis.
2. Embryology of Fallot's Tetralogy.
3. CSF Circulation and its Clinical importance.
4. Muscles of Respiration.

II. PHYSIOLOGY:

(4 x 5 = 20)

1. Respiratory function test.
2. Iron Metabolism.
3. Regulation of Acid Base Balance.
4. Scheme of coagulation.

III. BIO-CHEMISTRY:

(3 x 5 = 15)

1. Pompe's disease.
2. Metabolic acidosis.
3. Non-essential aminoacids.

IV. PHARMACOLOGY:

(3 x 5 = 15)

1. Macrolides.
2. Galactogogues.
3. Newer anti tuberculous Drugs.

V. MICROBIOLOGY:

(3 x 5 = 15)

1. Serological markers of Hepatitis- B.
2. Life cycle of Malaria.
3. Blood culture.

VI. PATHOLOGY:

(3 x 5 = 15)

1. VonWillbrand disease.
2. Leukemoid reaction.
3. Pathogenesis of Septic shock.
