

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

[DM 0126]

JANUARY 2026

Sub. Code :1524

D.M. – PAEDIATRICS GASTROENTEROLOGY

**PAPER I – APPLIED BASIC SCIENCES – APPLIED ANATOMY,
PHYSIOLOGY, BIOCHEMISTRY, PATHOLOGY, PHARMACOLOGY,
GENETIC, IMMUNOLOGY, MICROBIOLOGY**

Q.P. Code: 161524

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Physiology and pathophysiology of esophageal motility and management of motility disorder of esophagus.
2. Development of the pancreas and developmental anomalies of the pancreas.

II. Write notes on:

(10 x 7 = 70)

1. Enterohepatic circulation.
2. Pancreatic function tests.
3. HVPG measurement, applications and its limitations.
4. Role of Radionuclide Scanning in Gastroenterology.
5. Small intestinal transit studies.
6. Small Intestinal Bacterial Overgrowth.
7. Trientine – uses, dosage and side effects.
8. Genetics in hereditary pancreatitis.
9. Small bowel biopsy.
10. Brain-gut microbiome axis.
