

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

**[MD 0522]**

**MAY 2022**

**Sub. Code: 2024**

**M.D. DEGREE EXAMINATION**

**BRANCH VI – PHARMACOLOGY**

**PAPER III – CLINICAL PHARMACOLOGY & PHARMACOTHERAPEUTICS  
INCLUDING RECENT ADVANCES**

*Q.P. Code: 202024*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Essay:**

**(2 x 15 = 30)**

1. a) What are the pharmacological aspects to be considered during drug therapies in children?  
b) Write briefly on “paediatric drug dosage”?
2. Explain the therapeutic applications of drugs stimulating gastrointestinal motility  
Write briefly on (a) Lubiprostone (b) Alvimopan.

**II. Short notes:**

**(10 x 5 = 50)**

1. Adrenergic neuron blockers.
2. Motion sickness.
3. Buspirone.
4. Uses of botulinum toxin.
5. Ecstasy.
6. Vasopressin antagonists.
7. Randomization.
8. Drugs used for osteoporosis.
9. Fusion inhibitors.
10. Monoclonal antibodies.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. Role of P-glycoprotein in drug interactions.
2. Phase I and phase II blocks induced by neuromuscular blockers.
3. Double blinding procedure used in clinical trials.
4. PAF antagonist used as a cognition enhancer.

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