

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

[LP 6253]

AUGUST 2019

Sub. Code: 6253

**BPT DEGREE EXAMINATION  
FIRST YEAR  
PAPER III – PHYSIOLOGY AND APPLIED PHYSIOLOGY**

*Q.P. Code: 746253*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on:** **(2 x 20 = 40)**

1. Define Immunity. What are types of immunity? Discuss the mechanism of cell mediated immunity.
2. Write in detail about the effects of Brown-Sequard syndrome and diseases of Spinal cord.

**II. Write notes on:** **(8 x 5 = 40)**

1. Properties of Synapse.
2. Menstrual cycle.
3. Anticoagulants.
4. Passive transport across the cell membrane.
5. Neuromuscular junction.
6. Electrocardiogram.
7. Functions of Kidney.
8. Lung volume and capacities.

**III. Short answers on:** **(10 x 2 = 20)**

1. Positive feedback.
2. Pyknosis.
3. Action potential.
4. Tetanus.
5. Refractory period.
6. Electromyogram.
7. Bile salts.
8. Disorders of anterior pituitary gland.
9. Medical Termination of Pregnancy (MTP).
10. Dyspnea.

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