

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

**[BPT 0921]**

**SEPTEMBER 2021  
(FEBRUARY 2021 EXAM SESSION)**

**Sub. Code: 6253**

**BPT DEGREE EXAMINATION  
FIRST YEAR - (Regulations of 2004-2005 and 2006-2007 admitted candidates are  
merged with 2010-2011)  
PAPER III – PHYSIOLOGY AND APPLIED PHYSIOLOGY  
*Q.P. Code: 746253***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Define Synapse. Classify Synapse and explain in detail the properties of Synapse.
2. Describe in detail the transport of Carbon dioxide in the blood.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Glucagon.
2. Cerebrospinal fluid.
3. Spermatogenesis.
4. Deglutition.
5. Heart sound.
6. Taste pathway.
7. Juxtaglomerular apparatus.
8. Micturition reflex.

**III. Short answers on:**

**(10 x 2 = 20)**

1. What is apoptosis?
2. Sarcomere.
3. Components of conducting system of heart.
4. Define stroke volume.
5. Functions of placenta.
6. All or none law.
7. Wallerian degeneration.
8. Surfactant and its significance.
9. Receptors of vision.
10. What are the types of Jaundice?

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