

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

[LR 1220]

**DECEMBER 2020  
(AUGUST 2020 EXAM SESSION)**

**Sub. Code: 6253**

**BPT DEGREE EXAMINATION  
FIRST YEAR  
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. Name the ascending tracts of Spinal cord. Explain in detail the Pain Pathway. Add a note on types of Pain.
2. Explain in detail about the transport of oxygen in blood. Add a note on Caisson's disease.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Male contraceptive methods.
2. Functions of bile.
3. Errors of refraction.
4. Lung function test.
5. Electrocardiogram (ECG).
6. Functions of Nephron.
7. Cushing's Syndrome.
8. Muscle Spindle.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Mention the phases/stages of Ovarian cycle.
2. Name any two functions of Pancreatic juice.
3. Define Tidal Volume.
4. List the non excretory functions of kidney.
5. Rigor mortis.
6. Define Erythropoiesis.
7. Functions of cell membrane.
8. Any two hazards of blood transfusion.
9. What is Myoglobin?
10. List the types of Hypoxia.

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