

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

[BPT 0622]

JUNE 2022

Sub. Code: 6253

(FEBRUARY 2022 EXAM SESSION)

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FIRST YEAR - (Regulations of 2004-2005 & 2006-2007 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 Neuromuscular junction. Describe the transmission of impulse across Neuromuscular junction.
2. Explain in detail the hormones of anterior and posterior pituitary gland.

II. Write notes on:

(8 x 5 = 40)

1. Cell structure and its organelles.
2. Reflex arc.
3. Anemia.
4. Upper motor neuron lesion and lower neuron lesion.
5. Contraception.
6. Oxygen hemoglobin dissociation curve.
7. Thyroxine.
8. Plasma proteins.

III. Short answers on:

(10 x 2 = 20)

1. Define Homeostasis.
2. What is salutatory conduction?
3. Define blood pressure.
4. Heart sounds and its significance.
5. What is anatomical dead space?
6. List the functions of kidney.
7. Blood groups.
8. Taste receptors.
9. Mention any four of gastro intestinal hormones.
10. Name the various lung volumes.
