

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

[BPT 0122]

**JANUARY 2022
(AUGUST 2021 EXAM SESSION)**

Sub. Code: 6253

**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. Explain skeletal muscle contraction with a suitable diagram. Add a note on Myasthenia gravis.
2. Name the hormones of Anterior Pituitary and Posterior Pituitary gland. Write about their actions in detail.

II. Write notes on:

(8 x 5 = 40)

1. Write about Hypoxia and its types.
2. Functions of Cerebrospinal fluid.
3. What is Cushing's syndrome.
4. Explain Micturition Reflex.
5. Write about the conducting system of heart.
6. Non-respiratory functions of lung.
7. Explain Erythroblastosis foetalis.
8. Write about Neuroglia.

III. Short answers on:

(10 x 2 = 20)

1. Neurotransmitters and give examples.
2. Emulsification of fat.
3. All or none Law.
4. Facilitated diffusion.
5. Name the Lung volumes.
6. Functions of Placenta.
7. Stroke Volume.
8. Renin – angiotensin system.
9. Any four functions of Thyroxine.
10. Draw and mark the normal waves of Electrocardiogram.
