

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

[BOT 0423]

**APRIL 2023
(FEBRUARY 2023 EXAM SESSION)**

Sub. Code: 6173

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
FIRST YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER III – PHYSIOLOGY**

Q.P. Code: 786173

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Blood Pressure. Discuss the factors regulating Arterial Pressure. Add a note on Hypertension.
2. Define Hemostasis. Discuss the mechanism of Blood Coagulation. What is Hemophilia?

II. Write notes on:

(8 x 5 = 40)

1. Juxtaglomerular Apparatus.
2. Auditory Pathway.
3. Oxygen Hemoglobin Dissociation Curve.
4. Functions of Thyroxine.
5. Spermatogenesis.
6. Vesicular Transport.
7. Enterohepatic Circulation.
8. Properties of Smooth Muscle.

III. Short answers on:

(10 x 2 = 20)

1. What is Secondary Active Transport? State two examples of Secondary Active Transport.
2. All or None Law.
3. Types of Jaundice.
4. Name the fat soluble Vitamins.
5. Define Tidal Volume.
6. Neuroendocrine reflex.
7. Taste receptors.
8. Write any two Non Respiratory Functions of Lung.
9. Draw a neat diagram of a Spermatozoan and name its parts.
10. Name any two Excitatory Neurotransmitters.
