

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

[AHS 0424]

APRIL 2024

Sub. Code: 2452

BACHELOR IN PROSTHETICS & ORTHOTICS

FIRST YEAR (Regulation 2017-2018 onwards)

PAPER II – PHYSIOLOGY

Q.P. Code: 802452

Time: Three Hours

Answer All questions

Maximum : 100 Marks

I. Elaborate on :

(3 X 10 = 30)

1. Classify Receptors. Explain in detail the functions and properties of Receptors.
2. Define Cardiac cycle. Write in detail about the phases of Cardiac cycle.
3. What is Blood coagulation? Explain the functions, normal count and disorders of Platelets.

II. Write Notes on :

(8 X 5 = 40)

1. Write about the transport mechanism across cell membrane.
2. List the composition of Lymph and its functions.
3. Draw the structure of neuroglia and write its functions.
4. Define cardiac output and factors regulating it.
5. Functions of Respiratory system.
6. Differentiate between UMN and LMN Lesion.
7. Functions of Basal ganglia.
8. Cystometrogram.

III. Short Answers on :

(10 X 3 = 30)

1. Name three disorders of Respiration.
2. What is meant by Hypertension?
3. What is meant by Tactile Localisation and Tactile Discrimination?
4. Composition of body fluids.
5. What are the types of Diabetes Mellitus?
6. Renal circulation.
7. What is meant by Refractory period?
8. Name the different lymphocytes and list their functions.
9. What are the different types of Aphasia?
10. Respiratory membrane.
