

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

[AHS 1123]

NOVEMBER 2023

Sub. Code: 1131

B.Sc. OPERATION THEATRE & ANAESTHESIA TECHNOLOGY

FIRST YEAR (Regulation 2018-2019 onwards)

PAPER I – BASIC SCIENCES

Q.P. Code: 801131

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on :

(3 X 10 = 30)

1. Describe the Anatomical position, External features and Chambers of the Heart in detail with suitable diagram.
2. Explain in detail about Acute and Chronic Inflammation.
3. Define Cardiac Output. Discuss in detail about the various factors affecting it.

II. Write Notes on:

(8 X 5 = 40)

1. Vitamin D.
2. Structure of Kidney.
3. Define BMR and explain the factors affecting BMR.
4. Hypersensitivity reactions – Type IV.
5. Classification of Proteins.
6. Neuromuscular junction.
7. Hip joint.
8. Phases of Menstrual cycle.

III. Short Answers on:

(10 X 3 = 30)

1. Brachialis Muscle.
2. Cell injury.
3. Functions of Plasma.
4. Balance diet.
5. Pulse Oximeter.
6. Functions of Calcium.
7. Intercostal space.
8. Exocytosis.
9. Henderson-Hasselbalch equation.
10. Erythrocyte Sedimentation Rate.
