

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

[MBBS 0822]

AUGUST 2022

Sub. Code :5053

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted upto the Academic Year 2018-2019)

FIRST YEAR

PAPER III – PHYSIOLOGY INCLUDING BIO-PHYSICS - I

Q.P. Code: 525053

Time: Three hours

Maximum : 50 Marks

Answer All Questions

I. Essay: **(1 x 10 = 10)**

1. Define Hemostasis. Describe the various stages involved in coagulation process. Add a note on Anti-coagulants.

II. Write notes on: **(5 x 4 = 20)**

1. Genesis of Resting Membrane Potential.
2. Functions of Insulin.
3. Stages of Deglutition.
4. Classify the transport across cell membrane. Write briefly about active transport.
5. Cystometrogram.

III. Short answers on: **(10 x 2 = 20)**

1. Aldosterone escape.
2. Functions of large intestine.
3. Draw and label neatly the parts of the sperm.
4. Positive feedback mechanism with example.
5. Types of skeletal muscle.
6. Types of T-cell.
7. Steatorrhoea.
8. Sheehan's syndrome.
9. Aquaporins.
10. Difference between acromegaly and gigantism.
