

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

[MBBS 0222]

FEBRUARY 2022

Sub.Code :5054

M.B.B.S. DEGREE EXAMINATION
(For the candidates admitted from the Academic Year 2018-2019)
FIRST YEAR
PAPER IV – PHYSIOLOGY INCLUDING BIO-PHYSICS – II

Q.P. Code: 525054

Time: Three hours

Maximum : 50 Marks

Answer All Questions

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

1. Describe origin, course, termination and functioning of spinothalamic tract. Add a note on investigations used in spinal injury.

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

1. Histotoxic hypoxia.
2. Functions of parietal lobe.
3. Taste pathway.
4. Special features of coronary circulation.
5. Non respiratory functions of lung.

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

1. Functional Residual Capacity.
2. Capacitance vessels.
3. Facial nerve paralysis.
4. Define cardiac output.
5. Functions of temporal lobe.
6. Lesions at the internal capsule.
7. Classify Receptors.
8. Functions of limbic system.
9. Properties of synapse.
10. Properties of conditioned reflex.
