

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

[MBBS 0522]

**MAY 2022**

**Sub. Code : 6054**

**M.B.B.S. DEGREE EXAMINATION**

**(For the candidates admitted from the Academic Year 2019-2020)**

**FIRST YEAR – SUPPLEMENTARY (CBME)**

**PAPER II – PHYSIOLOGY**

*Q.P. Code: 526054*

**Time: Three hours**

**Maximum: 100 Marks (80 Theory + 20MCQs)**

**Answer All Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. Define cardiac output. Factors regulating cardiac output. Discuss one method for measuring cardiac output.
2. Discuss about the nuclei, connections and functions of Basal ganglia. Add a note on Parkinson's disease.

**II. Short Notes:**

**(10 x 5 = 50)**

1. Pain pathway.
2. Composition and functions of CSF.
3. Respiratory membrane.
4. Periodic breathing.
5. Features of hypovolemic shock.
6. Non respiratory functions of lung.
7. Muscle spindle.
8. Anterior spino-thalamic tract.
9. Intra-ocular fluids.
10. Rinnes test and its significance.

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