

[LP 503]

NOVEMBER 2019

Sub.Code :5054

**M.B.B.S. DEGREE EXAMINATION  
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 the origin, course, termination and functions of pyramidal tract. Write a note on upper motor lesion.

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

1. Hypoxic Hypoxia.
2. Thalamic syndrome.
3. Surfactant.
4. Sino aortic reflex.
5. Myocardial Infarction.

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

1. Measurement of dead space.
2. Haldane effect.
3. Ventilation perfusion ratio.
4. Give two examples of high cardiac output state and low cardiac output state.
5. AV nodal delay.
6. Synaptic plasticity.
7. Prefrontal lobotomy.
8. Accommodation reflex pathway.
9. Travelling wave theory of hearing.
10. Taste pathway.

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