

[LN 503]

AUGUST 2018

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 classification, connections and functions of cerebellum.

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

1. Triple response.
2. Non-respiratory functions of lungs.
3. Mechanism of receptor potential.
4. Factors regulating cardiac output.
5. Anatomic dead space.

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

1. The law of projection.
2. Types of hypoxia.
3. Antegrade amnesia.
4. Draw a normal electrocardiogram (ECG). What is Einthoven's triangle?
5. Respiratory exchange Ratio.
6. Attenuation reflex.
7. Mean arterial pressure.
8. Reynold's number.
9. Astigmatism.
10. Functions of thalamus.
