[LL 503]   **AUGUST 2017**   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. Define blood pressure. Explain in detail short term regulation of blood pressure. Add a note on hypertension.

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

1. Compliance.

2. Hypoxic hypoxia.

3. Pacemaker potential.

4. Stages of sleep.

5. Functions of cerebellum.

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

1. Triple response.

2. Bain bridge reflex.

3. Residual volume.

4. Artificial respiration.

5. Functions of middle ear.

6. Features of Parkinsonism.

7. Papez circuit.

8.   Name two facilitatory and inhibitory neurotransmitters and their sites of action.

9. Saltatory conduction.

10. Sensations carried by posterior column.

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