

[LG 503]

FEBRUARY 2015

Sub.Code :4054

**FIRST YEAR M.B.B.S. DEGREE EXAMINATION
PAPER IV – PHYSIOLOGY INCLUDING BIO - PHYSICS - II**

Q.P. Code: 524054

Time: Three hours

Maximum : 50 Marks

Answer All Questions

I. Elaborate on:

(1 x 10 = 10)

1. Define cardiac output. Explain the factors regulating cardiac output. Add a note on ejection fraction.

II. Write notes on:

(2 x 5 = 10)

1. Auditory pathway with suitable diagram
2. Adjustment in respiratory physiology at high altitudes

III. Short answers on:

(10 x 3 = 30)

1. Accommodation reflex
2. Conducting system of the heart
3. Artificial respiration
4. Conditioned reflexes
5. Surfactant
6. Central analgesic system
7. VO_2 Max
8. Functions of CSF
9. Decompression sickness
10. Babinski's sign and its clinical significance
