

Q.P. Code: 104001

Reg. no.:

**First Professional MBBS Degree Supplementary Examinations -
February 2015**

PHYSIOLOGY- PAPER II

Time: 3 Hours

Total Marks: 50

- *Answer all questions*
- *Draw Diagrams wherever necessary*

Long essay

(10)

1. A 30 years female with features of increased weight, menstrual abnormalities, cold intolerance. Answer the following questions based on your knowledge in physiology :

- Name the probable condition with its cause
- What are the physiological actions of hormone related to this condition
- Mention the tests for diagnosing this condition.

(1+7+2=10)

Short essays

(2x5=10)

2. Functions of cerebellum
3. Ovarian cycle

Answer briefly

(5x3=15)

4. Brown-sequard syndrome.
5. Tetany
6. Functions of testosterone
7. Mention the stages of sleep
8. Differences between the actions of adrenaline and nor-adrenaline on cardiovascular system

Draw and label

(2x2½=5)

9. Organ of corti
10. Pain pathway from origin to termination

Explain the physiological basis of the following

(5x2=10)

11. Cochlear microphonics
12. Hypermetropia
13. Blood brain barrier
14. Female contraceptive pill
15. Hypoglycemic action of insulin
