

**Q.P. Code: 104001**

**Reg. No.: .....**

**First Professional MBBS Degree Regular/Supplementary Examinations  
August 2019**

**Physiology – Paper II**

**Time: 3 Hours**

**Total Marks: 50**

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

**Long essay**

**(10)**

1. A 45 years old automobile mechanic is not able to perform his professional work and is complaining of tremor during rest and unable to initiate a movement. He always takes short quick steps while walking. Answer the following questions based on your knowledge in physiology:

- What can be the probable condition
  - Explain the pathophysiology underlying it
  - What are the functions of the structure affected
  - Suggest the probable methods of treatment for this condition
- "1+3+4+2).

**Short essays**

**(2x5=10)**

2. Grave's disease
3. Female contraception

**Answer briefly**

**(5x3=15)**

4. Presynaptic inhibition
5. Diabetes insipidus
6. Functions of hCG.
7. Impedence matching
8. Refractive errors

**Draw and label**

**(2x2½=5)**

9. Taste pathway
10. Pyramidal tract

**Explain the physiological basis of the following**

**(5x2=10)**

11. Chvostek's sign
12. Rigor mortis
13. Myotatic reflex
14. Blood testis barrier
15. Menopause

\*\*\*\*\*