

**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. Impedance 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

