

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

(2+2+6)

(2x5=10)

Short essays

2. Grave's disease
3. Female contraception

(5x3=15)

Answer briefly

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

(2x2½=5)

Draw and label

9. Taste pathway
10. Pyramidal tract

(5x2=10)

Explain the physiological basis of the following

11. Chvostek's sign
12. Summation of stimuli
13. Myotatic reflex
14. Blood testis barrier
15. Menopause
