

Q.P. Code: 104001

Reg. no.:

**First Professional MBBS Degree Supplementary Examinations
January 2018****PHYSIOLOGY- PAPER II****Time: 3 Hours****Total Marks: 50**

- Answer all questions
- Draw Diagrams wherever necessary

Long essay**(10)**

1. A 65 years old woman was admitted to the hospital with the complaints of intention tremor in the left arm and missing the target when he attempted to do a work. On examination eye reveals nystagmus. Answer the following questions based on your knowledge in physiology:

- What is the diagnosis.
 - Mention the characteristic of knee jerk in this patient.
 - What is dysdiadachokinesia.
 - Describe the gait in this patient giving the physiological basis
 - What happens when flocculo-nodular lobe is damaged.
- (2+2+2+2+2)

Short essays**(2x5=10)**

2. Mechanism of synaptic transmission
3. Role of mineralocorticoids in salt and water balance

Answer briefly**(5x3=15)**

4. Milk ejection reflex
5. Hyper secretion of growth hormone
6. Supra spinal modulation of pain
7. Functions of middle ear
8. Castration before puberty

Draw and label**(2x2½ =5)**

9. Antero lateral system
10. Visual pathway

Explain the physiological basis of the following**(5x2=10)**

11. Referred pain
12. Thalamic phantom limb
13. Administration of L dopa in Parkinson's disease
14. Permissive action of glucocorticoids
15. Corpus luteum of menstruation and pregnancy