



JE-4651 Seat No. _____
First Year M.B.B.S. Examination
July - 2019
Physiology : Paper-II
(Old Course)

Time : 3 Hours]

[Total Marks : 50

Instructions :

- Answer to the point.
- Draw diagrams wherever necessary.
- Number on right indicates marks.
- Write legibly.
- Answers to the two sections must be written in two separate answer books.

SECTION – I

- 1 Describe the functions and abnormalities of cerebellum. **8**
- OR**
- 1 Describe connections, functions and disorders of Basal ganglia. **8**
- 2 Write short notes on : **8**
1. Organ of corti **OR** Visual pathway and effects of lesions.
 2. Nerve degeneration **OR** Sarcomere.
- 3 A. Describe the physiology of speech and speech disorders. **5**
- B. Explain in 2 – 3 sentences : **4**
1. Chronaxie is used to compare excitability of various tissues.
 2. Diabetic patient fails to gain weight in spite of polyphagia.
 3. Sympathetic division of ANS is referred as catabolic nervous system.
 4. What is synaptic plasticity ?

SECTION – II

- 4 Describe synthesis, functions and disorders of thyroid hormone. 8
- OR**
- 4 Enumerate hormones secreted by pancreas. Discuss the functions and regulation of secretion of Insulin. 8
- 5 Write short notes on : 8
1. Ovulation and its significance **OR** Puberty.
 2. Pregnancy tests **OR** Lactation.
- 6 A. Discuss various methods of contraception in females. 5
- B. Explain in 2 - 3 sentences : 4
1. Adrenal cortex is essential for life.
 2. Vitamin D is known as hormone.
 3. Urine output is increased in Diabetes Insipidus.
 4. Growth hormone is diabetogenic hormone.
-