



HDF-M20174

Seat No. _____

First Year M. B. B. S. Examination

November / December – 2017

Physiology : Paper - II

Time : 3 Hours]

[Total Marks : 50

- Instructions :**
- (1) Answer each section in separate answer book.
 - (2) Draw diagrams wherever necessary.
 - (3) Illegible answers will not carry marks.

Section – I

- 1 Define Ataxia. Write in detail about functions and lesions of cerebellum. 8

OR

- 1 Write in detail about pain pathways its types and pain suppressing mechanism. 8

- 2 Write short notes on : 8

- (1) Action potential OR Rigor mortise
- (2) Golgi tendon organ reflex OR cortico spinal tract.

- 3 (A) Write a note on Parkinson's disease. 5

- (B) Explain in 2-3 sentences : 4

- (1) Which are different types of muscle sensors ?
- (2) Salutatory nerve conduction is fast conduction.
- (3) Upper motor neuron lesion causes spasticity.
- (4) What is molecular motors ?

Section – II

- 4 Write in detail about synthesis, action and regulation of Thyroid hormone. 8
- OR**
- 4 Write in detail about photo transduction and transmission of signals in retina. 8
- 5 Write short notes on : 8
- (1) Sense of Taste OR Tympanic reflex.
- (2) Spermatogenesis OR IUCD.
- 6 (A) Write about Cushing's syndrome : 5
- (B) Explain in 2-3 sentences : 4
- (1) Excess of potassium in ECF causes secretion of Aldosterone Hormone ?
- (2) What is Hornor's syndrome ?
- (3) Collection of wax in external auditory, canal causes increased BC.
- (4) Write the name of placental hormones.
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