

**Madhya Pradesh Medical Science University (MPMSU)****1st Professional MBBS Examination****Paper Code: 16M00A04****2015 (Winter Session)****Physiology Paper- II**

Time 3 Hours

Max. Marks: 50

Note: (a) Attempt all questions in the same serial order.

(b) Draw well labelled diagrams wherever necessary.

Q1. Enumerate the functional areas of the Cerebral Cortex. Describe major function of the general sensory area 5

Q2. Define Memory. Describe the different types of memory. 5

Q3. Write short notes on: **3x10=30**

- a) Primary taste modalities and their location of Tongue
- b) Fertilization, how and where it occur?
- c) Hormones produced by Adenohypophysis
- d) Differentiate between Endocrine and Exocrine glands
- e) Functions of hormones released from posterior Pituitary gland
- f) Functions and control of Calcitonin
- g) Differentiate diagrammatically Myopia, Hypermetropia, and Astigmatism
- h) Distinguish between Light and Dark adaptation
- i) Principal parts of Outer, Inner and Middle Ear
- j) Lactation and its control

Q4. Write in brief: **10x10=10**

- a) BMR
- b) Mechanism of Heat Loss and Production
- c) Name the pathways associated with control of Voluntary Motor Impulses
- d) REM sleep
- e) EEG
- f) Name important Basal Ganglia and function of each
- g) Babinski sign and its clinical importance





- h) Hemiplegia, Quadriplegia and paraplegia
- i) Principle events that follow in Peripheral Nerve Injury
- j) ANS and its area of function.

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