

# M.B.B.S. [1<sup>st</sup> Prof.]

BF/2009/10

## Physiology – A

M.M. : 50

Time : 3 Hours

*Note :* Attempt all questions.

**USE SEPARATE ANSWER SHEET FOR EACH PART.**

### PART - I

1. Describe the connections, functions and applied aspect of Basal ganglia. [10]
2. **Describe briefly:**
  - a. Sequence of events in excitation contraction coupling. [5]
  - b. Structure of Cell membrane and its significance. [3]
3. **Write notes on;**
  - a. Simple and facilitated diffusion. [4]
  - b. Ionic basis of action potential. [3]

### PART – II

4. **Describe the following:**
  - a. Hypothyroidism. [5]
  - b. Actions of Antidiuretic hormone. [5]
5. **Write notes on:**
  - a. Tests done to detect Ovulation. [4]
  - b. Intrauterine contraceptive devices. [4]
6. **Explain briefly:**
  - a. Role of middle ear in hearing. [3]
  - b. Different waves of Electroencephalogram and significance. [4]

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