

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

BF/2009/07

## 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 Cerebellum. [10]
2. **Write notes on:**
  - a. Types of Cell junctions with examples and diagrams. [4]
  - b. Define Osmotic pressure and describe Osmosis. [4]
3. **Write in brief:**
  - a. Resting membrane potential. [4]
  - b. Osmolarity and Osmolality. [3]

### PART – II

4. **Write in detail:**
  - a. Hypoparathyroidism. [5]
  - b. Sequence of events at neuromuscular junction. [5]
5. **Write in brief:**
  - a. Oral contraceptive pills. [4]
  - b. Actions of growth hormone. [4]
6. **Write notes on:**
  - a. Composition, formation and functions of Cerebrospinal Fluid. [4]
  - b. Correction of various Refractive errors of eye. [3]

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