

M.B.B.S. [1st Prof.]

BF/2015/7

Physiology – A

M.M. : 50

Time : 3 Hours

Note : Attempt all questions.

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

1. Describe role of hypothalamus in regulation of body temperature along with its abnormalities. [10]
2. **Write short notes on:**
 - a. Structure and function of muscle spindle. [3]
 - b. Organ of corti. [3]
 - c. Motor unit. [3]
3. **Describe briefly:**
 - a. Short term memory. [3]
 - b. Presynaptic inhibition. [3]

PART – II

4.
 - a. Functions of Oestrogen. [4]
 - b. Spermatogenesis & its regulation. [4]
 5. **Write notes on:**
 - a. Thyrotoxicosis. [3]
 - b. Human Chorionic Gonadotrophin (HCG). [3]
 - c. Functions of glucocorticoids. [3]
 6. **Describe briefly:**
 - a. Physiological basis of symptoms of diabetes mellitus. [4]
 - b. Physiology of parturition. [4]
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