

Q.P. Code: MBB105**M.B.B.S. [1st Prof.]**

BF/2016/11

Physiology – A

M.M. : 50

Time : 3 Hours

- Note: 1. Attempt all questions. Illustrate your answer with suitable diagrams.
2. ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.
3. NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED
4. The student must write Q.P. Code in the space provided on the Title page of the Answer Book.

PART - I

1. Describe the types of sleep. Give the role of various neurotransmitters in the genesis of sleep wakefulness. [10]
2. **Write short notes on:**
 - a. Theories of referred pain. [3]
 - b. Olfactory fatigue. [3]
 - c. Synaptic plasticity. [3]
3. **Describe briefly:**
 - a. Papez circuit. [3]
 - b. Intercollicular decerebration. [3]

PART – II

4. **Describe briefly:**
 - a. Tests for ovulation. [4]
 - b. Intrauterine device. [4]
 5. **Write notes on:**
 - a. Control of prolactin secretion. [3]
 - b. Sex differentiation. [3]
 - c. Actions of aldosterone. [3]
 6. **Describe briefly:**
 - a. Control of testicular activity. [4]
 - b. Action of glucagon. [4]
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