M.B.B.S. [1ˢᵗ Prof.]
BF/2014/10

Physiology – A

M.M. : 50   Time : 3 Hours

Note :   Attempt all questions.
USE SEPARATE ANSWER SHEET FOR EACH PART.

PART - I

1.   **Describe:-**
     a.   Coding of sensory information.   [4]
     b.   NREM sleep.   [3]

2.   **Write notes on:**
     a.   Visual pathway and lesions in the pathway.   [4]
     b.   Secondary active transport across cell membrane.   [3]
     c.   Compound action potential.   [2]

3.   **Describe briefly:**
     a.   Withdrawl reflex.   [3]
     b.   Refered pain.   [3]
     c.   Circadian rhythm.   [3]

PART – II

4.   **Describe:**
     a.   Endometrial cycle and hormones regulating it.   [4]
     b.   Sythesis of thyroid hormone.   [3]
     c.   Sertoli cells.   [2]

5.   **Write notes on**:
     a.   Theories of aging.   [3]
     b.   Neuromuscular junctions.   [3]
     c.   Oral countraceptions.   [3]

6.   **Describe briefly:**
     a.   Diabetes mellitus.   [4]
     b.   Cushing disease.   [3]