

Q.P. Code: MBB105

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

BF/2021/06

Physiology – A

M.M. : 50

Time : 3 Hours

- Note: 1. Attempt all questions. Illustrate your answers 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. Write the functions of thyroid hormones and discuss the pathophysiology of hypothyroidism. [6+4]
2. **Write short notes on:**
a. Renshaw cell inhibition [3]
b. Facilitated diffusion [3]
c. Resting length [3]
3. **Describe briefly:**
a. What is the effect of sperm count if the testes are undescended. [3]
b. How ageing affects respiratory dynamics. [3]

PART - II

4. **Describe in brief:**
a. Receptor potential [4]
b. Lesion in optic chiasma [4]
5. **Write short notes on:**
a. Menopause [3]
b. Uses of EEG [3]
c. Tympanic reflex [3]
6. **Describe in brief:**
a. Paraplegia [4]
b. Compound action potential [4]
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