

2010 Scheme

Q.P. Code: 104001

Reg. No.:

First Professional MBBS Degree Supplementary Examinations January 2026

Physiology – Paper II

Time: 3 Hours**Total Marks: 50**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Long essay (10)

1. A 55 Year old man complaints of slowness in initiating movements and difficulty in movements. On examination he has tremors at rest, rigidity and he walks with short shuffling steps.

- What is the most probable condition
- Where is the site of lesion in this patient
- Describe the patho-physiology
- Describe the connections and functions of basal ganglia

(1+1+2+6)

Short essays**(2x5=10)**

- Describe the actions of thyroid hormone
- Describe the steps in spermatogenesis

Answer briefly**(5x3=15)**

- Myopia and astigmatism and their correction
- List the placental hormones. Add a note on any one of them
- Define Chronaxie and rheobase and utilization time
- Describe the functions of primary active transport with an example
- Blood brain barrier

Draw and label**(2x2½=5)**

- Draw and label the auditory pathway
- Draw and label the fine touch pathway from the left lower limb

Explain the physiological basis of the following**(5x2=10)**

- Truncal obesity in Cushing's disease
- Polyuria in untreated Type 2 diabetes mellitus
- Gravindex test for pregnancy detection.
- Referred pain
- Tetany
