

QP CODE: 102028

Reg. No:

**First Year Bachelor in Prosthetics and Orthotics Degree Regular
Examinations November 2025**

**Paper II Physiology
(2024 Scheme)**

Time: 3 Hours

Total Marks: 80

- *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*

Essays

(2x15=30)

1. Role of insulin and glucagon in maintain blood glucose. Describe the clinical features and laboratory findings in diabetes mellitus.
2. Draw and label the Basal Ganglia. Describe its circuits and functions. Add a note on Parkinsonism.

Short Essays

(7x5=35)

3. Functions of skin.
4. Referred pain and its theories.
5. Composition and functions of blood.
6. Innervation of urinary bladder.
7. ECG
8. Skeletal muscle action potential.
9. Different types of Hypoxia.

Answer briefly

(5x3=15)

10. Balanced diet.
11. Circulatory shock.
12. Platelets.
13. Carbon dioxide transport in blood.
14. Sensory receptors.

CORRECTION / NO-CORRECTION FILE
--

QPCODE: 102028

Dated: 12-11-2025

Question No.8

Replaced with "Action potential of a neuron."

Question No.11

Replaced with "Conducting system of heart."

Question No.13

Replaced with "Respiratory muscles."

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS