



Graphic Era

HILL UNIVERSITY

Established by an Act of the State Legislature of Uttarakhand (Adhivansh Sankhya 12 of 2011)
University under section 2(f) of UGC Act, 1956

Sessional II (Odd) Semester Examination, Octoberber 2025

Roll no.....

Name of the Course: B.Pharm

Semester: I

Name of the Paper: Remedial Biology-Theory

Paper Code: BP106 RBT

Time: 1.5 hour

Maximum Marks: 30

Note:

- (i) This question paper contains two sections
- (ii) All the questions are compulsory

Section A

Q. 1 Short Questions: Attempt any four question

(4X 5 = 20 Marks)

- a. Write a short note on the structure and function of the nephron in the human excretory system. (CO3)
- b. Explain the generation and conduction of a nerve impulse with the help of a labeled diagram. (CO3)
- c. Mention the functions of the major endocrine glands and their respective hormones. (CO3)
- d. What is the renin-angiotensin system, and what is its role in regulating blood pressure? (CO3)
- e. Describe the structure of a neuron with a neat labeled diagram. (CO3)
- f. Outline the stages of the menstrual cycle and the hormonal changes involved. (CO3)

Section B

Q. 2 Long questions: Attempt any one question

(1X10 = 10 Marks)

- a. Discuss the endocrine glands of the human body and describe the hormones secreted by each gland along with their physiological functions. (CO3)
- b. Describe in detail the structure and function of the human excretory system. Explain the process of urine formation and the role of kidneys in maintaining homeostasis. (CO3)