Graphic Era
HILL UNIVERSITY
Established by an Act of the State Legislature of Uttarakhand (Adhiniyam Sankhya 12 of 2011)
University under section 2(f) of UGC Act, 1956

Sessional II (Even) Semester Examination, May 2025

Roll no...............................

Name of the Course and semester: B. Pharm II Semester
Name of the Paper: Computer Applications in Pharmacy
Paper Code: BP 205T
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. What are the advantages of Electronic Prescribing (EP) systems in hospital and clinical pharmacy?   (CO3)

b. How does mobile technology assist in adherence monitoring for patients? (CO3)

c. Describe the importance of barcode medicine identification and automated drug dispensing in modern pharmacies. (CO3)

d. Explain the basic concept of bioinformatics in drug discovery. (CO4)

e. What is the significance of biological databases in bioinformatics? (CO4)

f. Briefly describe the impact of bioinformatics in modern pharmaceutical research. (CO4)

Section B

Q. 2 Long questions: Attempt any one question   **(1X10 = 10 Marks)**

a. Describe the significance of automated drug dispensing systems and barcode medicine identification in hospital pharmacy management. What are their advantages in reducing medication errors and improving patient safety?   (CO3)

b. Bioinformatics has revolutionized modern drug development. Elaborate on this statement by discussing its impact on pharmacogenomics, personalized medicine, and the discovery of novel therapeutic targets.   (CO4)