

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2026

B.Tech-IV Semester (BT/BI)

COURSE CODE (CREDITS): 25B1WBT432 (3)

MAX. MARKS: 15

COURSE NAME: Phytopharmaceuticals and Biologicals

COURSE INSTRUCTOR: Dr. Udayabanu

MAX. TIME: 1 Hour

**Note:** (a) All questions are compulsory.

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

(c) Use of calculators is not allowed

Q.No	Question	CO	Marks
Q1	Classify herbal drugs and its formulations. Give examples.	CO1	3
Q2	<i>Papaver somniferum</i> is a plant with historical, medicinal and cultural significance. Summarize its medicinal properties and the standardization procedure.	CO2	3
Q3	Assess the importance of <i>Bacopa monnieri</i> , and state its mechanism of action.	CO1	3
Q4	Design a protocol for the extraction of active constituents from a herbal drug using aqueous solvent	CO3	3
Q5	Aqueous extraction of 100 g powdered leaves resulted in 12 g dry extract. Calculate the % yield and suggest a process to increase the yield.	CO3	3