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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATIONS- 2026

B.Tech-IV Semester (BT)

COURSE CODE (CREDITS): 25B1WBT432 (3)

MAX MARKS: 25

COURSE NAME: Phytopharmaceuticals and Biologicals

COURSE INSTRUCTOR: Dr. Udayabanu

MAX. TIME: 1 Hour 30 Min

Note: (a) All questions are compulsory.

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

(c) Use of calculator is not allowed

Q.No	Question	CO	Marks
Q1	Justify the medicinal importance of the traditional Indian herb <i>Emblica officinalis</i> with any five pharmacological/clinical activities.	CO2	5
Q2	Explain the sampling process and its importance. How would you detect the foreign matter present in the whole or cut medicinal plant material.	CO3	5
Q3	Devise a method to determine the total ash, acid insoluble ash and water soluble ash.	CO4	5
Q4	Calculate the bitterness value of the given plant material [concentration of the stock solution S_r is 5mg/ml; volume of S_r is 10ml; quantity of quinine chloride is 5mg]. Summarize the protocol for the determination of bitterness value.	CO3	5
Q5	Examine the purity of the dried juice of the leaves of <i>Aloe barbadensis</i> . State the experimental and pharmacological properties of the dried juice of its leaves.	CO2	5