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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATIONS- 2026

M.Sc-IV Semester (BT/BI)

COURSE CODE (CREDITS): 20MSWBT432 (2)

MAX. MARKS: 25

COURSE NAME: Drug Discovery and Development

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 calculators is not allowed

Q.No	Question	Marks
Q1	Devise a protocol to evaluate the diabetic condition using biochemical parameters	5
Q2	Justify the miRNAs and siRNAs can be used as antisense therapy for the treatment of genetic diseases.	5
Q3	Assess the locomotion, muscle coordination and anxiety of small animals using appropriate behavioral tests for a preclinical study.	5
Q4	Summarize the procedure used to evaluate the depression status of the small animals	5
Q5	Describe the following: a. Water maze b. Molecular Docking	3+2=5