JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT TEST -1 EXAMINATION- 2025

B.Tech-VIII Semester (Open Elective)

COURSE CODE (CREDITS): 21B1WPH831 (03)

MAX. MARKS: 15

COURSE NAME: Biosensors

COURSE INSTRUCTORS: Ragini Raj Singh

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

Q.No	Question	CO	Marks
		1	3
Q1	Why linearity, sensitivity and selectivity in biosensors are important in each case, provide necessary discussions with example.		
Q2	Which are the main components of biosensors, draw a schematic and discuss each part?	1	3
Q3	Discuss any three types of variables those can affect the electro- analytical performance of biosensors.	1	3
Q4	Explain main functions of a measurement system with importance of each part.	2	3
Q5	Discuss the dynamic characteristics of a measurement system with point-to-point explanation.	2	3