JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT TEST -2 EXAMINATION- 2024 M.Sc.-Ist Semester (Biotechnology and Microbiology)

COURSE CODE (CREDITS):20MS1BT111

MAX. MARKS: 25

COURSE NAME: Biochemistry

COURSE INSTRUCTOR: Dr. Jitendraa Vashistt

MAX. TIME: 1 Hour 30 Minutes

Note: (a) All questions are compulsory. (b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems.

Q. No.	Overt	9
	Question	Ma
Q1	a) Why some children can't digest milk or dairy products? Which	ks
	b) Identify the molecule which is not a guest have	
Q2	artificial sugar. Define its major constituents.	1
	If there is depletion in the glucose levels, a specialized biochemical process occur in cells for formation of glucose. a) Identify the biochemical event.	3.0
	b) Explain the three major biochemical events which	
Q3.	the enzymes of glycolysis.	
24.	Why you experience pain in muscles after vigorous exercise? Which biochemical event is responsible for this pain and how it gets rectified?	3.0
5.	properties, which makes it stronger as compared to other bonds present in a protein'. Justify this statement with structural 6	3.0
	muscle wasting. On examination by medical person it was diagnosed that the food and water content had some contaminants which hamper the major energy generating pathway of body.	3.0
A 36	a) Identify the above mentioned energy con-	
	We are the discontinuous avent which blant it	
i r	The partition strategy in which you need to	5.0
· I	low do you estimate the km for the annual	
	concentration was 30μ mol/L? The initial velocity for reaction was $3.0x10^{-6}$ μ mol/L.min ⁻¹ and the V_{max} obtained $9.0x10^{-3}$ μ mol/L.min ⁻¹ ?	5.0