

(16)

## JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

## TEST -I EXAMINATION- 2025

B.Tech-7th Semester (BT/BI)

COURSE CODE (CREDITS): 14B1WBT741 (3)

MAX. MARKS: 15

COURSE NAME: BIO-RESOURCE &amp; INDUSTRIAL PRODUCTS

COURSE INSTRUCTORS: AKN

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
<b>Section I</b>			
Q1	a) What is meant by ecosystem diversity? Give two causes of biodiversity loss.	COI	1.5
	b) Name three microbial bioresources for the production of antibiotics at commercial scale. Mention the name of antibiotics with respective source microorganism.	COII	1.5
<b>Section II</b>			
Q2	How do the microbes act as natural biocleaners? Write the various mechanisms of metal microbe interaction.	COI	2
Q3.	Give a brief account of biological resources of direct and indirect value.	COI	2
Q4.	What are the various scales of bioresources? Explain with suitable examples.	COI	2
<b>Section III</b>			
Q5	Write the various modes of action of probiotics to protect the human beings from various pathogens and diseases. Give examples.	COII	3
Q6	How do the microbes act as a good bioresource for the production of enzymes? Give two suitable examples of enzymes of commercial value obtained from various microorganisms.	COII	3
	<b>Total</b>		15