JHARKHAND Rai University
RANCHI

End Semester/Reappear (Semester II) Examination May, 2025

Programme:BMLT
Course:IT Skills **Full Marks: 70**
Course Code:42ABMT209 **Time: 3 Hrs.**
Enrolment no. _____

Q.No.	Questions	CO	Bloom Taxonomy Category	Marks
	Section I			
1	**Short Answer type questions.**			**4 x 5 = 20**
a	What are programming languages? Distinguish between high-level and low-level languages.	CO1	Understand	
	or			
	List components of a computer system with a block diagram.	CO1	Understand	
b	Write a short note on World Wide Web and Web Browser.	CO3	Understand	
	or			
	What do you mean by the Internet? Explain with its history.	CO3	Understand	
c	What is ASCII code? Give the ASCII values for A, B, C, D, and E.	CO2	Understand	
	or			
	Define binary and hexadecimal number systems. Give one example of each.	CO2	Remember	
d	What do you mean by Computer-Assisted Medical Diagnosis? Explain its role in the field of medicine.	CO5	Understand	
	or			
	Define medical imaging. Mention two types with examples.	CO5	Understand	
	Section II			
Long Answer type questions.				**3 x 10 = 30**
2	Explain the common network security threats and methods to prevent them.	CO4	Understand	
	or			
	Write a detailed note on authentication techniques used in network security.	CO4	Understand	
3	Distinguish between LAN, MAN, and WAN.	CO3	Analyze	
	or			
	Explain different data transmission modes.	CO3	Understand	
4	Describe computer-aided therapy and its application in psychiatry.	CO5	Understand	
	or			
	Explain how computer techniques help in monitoring critically ill patients.	CO5	Understand	
	Section III			
	Application based questions			**1 x 20 = 20**
5	Evaluate the following: (a) $(1101)_2 + (1010)_2$ (b) Convert 101011_2 to decimal (c) $(11101)_2 - (11010)_2$ (d) Convert $(64)_{16}$ to binary (e) Subtract $(34)_{10}$ from $(56)_{10}$ using binary code. Also, explain binary addition, binary subtraction, and binary multiplication in number systems in brief	CO2	EVALUATE	
	or			
	Reframe the evolution of programming languages and role of translators in program execution.	CO2	Analyze	

COURSE OUTCOME

CO1Students learn about the working of the computer system and the role of software.

CO2 Students understand how data is represented and processed within the computer.

CO3 Students learn about the computer networks and the Internet and various device involved in their setup and also their advantages.

CO4 Students be aware of various types of threats when connected online and certain precautions they should take to prevent them.

CO5 Students be familiar with various upcoming and evolving technologies in field of medicine.