JHARKHAND Rai University
RANCHI

End Semester/Reappear (Semester III) Examination December, 2024

Programme: BCA
Course: Python Programming **Full Marks: 70**
Course Code: 3CCC201 **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	Illustrate typecasting with suitable example in python.	CO1	Analyze	
	or			
	What do you mean by Identifiers and keywords?	CO1	Remember	
b	Write a python program to find the greatest number among three numbers.	CO2	Understand	
	or			
	Explain break and continue keyword in python.	CO2	Understand	
c	Differentiate between error and exception.	CO3	Analyze	
	or			
	Conclude the purpose of the open () function in Python regarding file handling?	CO3	Analyze	
d	Write a short note on Integrity Constraint in SQL.	CO4	Remember	
	or			
	Write a python program to create a frame with a title and size of frame is 250 *400.	CO4	Create	
	Section II			
Long Answer type questions				**3 x 10 = 30**
2	Explain LEGB rule in Scope of variable with example.	CO1	Understand	
	or			
	Describe bitwise operator. Write the program to take input as an integer and twice it by bitwise operator.	CO1	Understand	
3	Explain slicing in Python. Write the program to create list having 10 elements and display the list from index 2 to 6 and 7 to 9.	CO2	Analyze	
	or			
	What is ordered and unordered list? Differentiate between set and dictionary in Python.	CO2	Analyze	
4	Discuss two file handling operations that can be performed using the write () method.	CO3	Understand	
	or			
	Write Built-in Exception with their name and explanation.	CO3	Remember	
	Section III			
	Application based questions			**1 x 20 = 20**
5	a. Illustrate the try, except and finally keywords. Develop a python program to demonstrate the working of Try-Finally Clause. b. Explain the significance of file modes in Python. How do 'r', 'w', 'a', 'r+', 'w+ ', 'a+', ' rb', and 'wb' differ when used with the open() function? Provide examples.	CO3	Analyze	
	or			
	a. Develop a python program that handles more than one exception. b. Express the close () function in file handling with suitable example.	CO3	Analyze	

COURSE OUTCOME

At the end the course the candidate will able to
CO1: Define and demonstrate the use of built-in data structures.
CO2: Design and implement a program to solve a real-world problem.
CO3: Design and implement GUI application and how to handle exceptions and files.
CO4: Make database connectivity in python programming language.