

003-3035002

BACHELOR OF COMPUTER APPLICATION (W.E.F. 2022) BCA (2022) Semester - 5 Examination BCA (2022) SEMESTER-5 OCT-2024

CS - 26: PROGRAMMING IN PYTHON

Tin	e: 2.5Hours]	Tarks: 70
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	The Parks. Agreement	
9	(A) Answer the following:	4
1	The state of the s	
	() c () - t - i - data valua(a)	
	C.I. D. II	
	1. C. the desired Classical Control Classical Control Classical Control Classical Control Classical Control Co	
	default extension of python file	
	The Common out of two	2
	(B) Answer in brief (Any one out of two)	
	1 Explain LIST data Type	
	What is Dictionary in Python?	
	guan Chi	3
	(C) Answer in detail (Any one out of two)	5
	. 1 Explain Branching statements in Python	
	2 Explain TUPLE datatype in Python with example	
	(D) Write a note on (Any one out of two)	5
	1 Explain Function and Scoping with example	
	2 Explain Iteration statements with example	
2	(A) Answer the following:	4
2	1 ADT stands for	
	2catches all exceptions	
	3 statement forces exception to occur	
	4 The block executes code regardless of whether an exception occurs of	r
	not CV	
	(B) Answer in brief (Any one out of two)	2
	1 What is AttributeError in Python?	
	2 What is ValueError in Python?	

	(C) Answer in detail (Any out of two)	
	1 Explain ADT in Python	3
	2 Explain Inheritance in Python	
	(D) Write a note on (Any one out of two)	
	1 Explain "Linear Search" with example in Python	5
	2 Explain "Bubble Sort" with example in Python	
3	(A) Answer the following:	4
	1 The() function is used to create a new figure in PyLab	
	2 The() function is used to display a plot on the screen in PyLab	
	3 The() function is used to save a plot as a PNG file in PyLab	
	4 An example of a sorting algorithm that uses the divide-and-conquer approach is	
	sort	
	(B) Answer in brief (Any one out of two)	1
	1 Explain pylab.title, pylab.xlabel and pylab.ylabel	2
	2 What is Memoization?	
	•	
	(C) American 14 (1/4)	
	(C) Answer in detail (Any one out of two)	3
	Explain Fibonacci sequence	
	(C) Answer in detail (Any one out of two) 1 Explain Fibonacci sequence 2 Explain Divide and Conquer algorithm (D) Write a note on (Any one out of two)	
	(D) Write a note on (Any one out of two)	5
	1 Explain Plotting Mortgages	
	2 Explain the 0/1 Knapsack algorithm	
4	(A) Answer the following:	
	_	4
	1 The module is commonly used for socket programming to handle network connections.	
	2 The method is used to associate the socket with a specific network interface and port number	
	[Y]	
	3 The protocol is used to send email over the internet.	
	4 The "socket.gethostname()" function in Python returns the of the machine	
	of the machine	
	(B) Answer in brief (A	
	(B) Answer in brief (Any one out of two)	2
	Explain recv() and recvfrom() socket method Explain send() and	
	2 Explain send() and sendto() socket method	
	(C) Angues in 1	
	(C) Answer in detail (Any one out of two)	3
	Plan buttons, labels and entry 5 11	
	2 Explain widget attributes in Python GUI	