(6 pages)	Reg. No. :	3.	Which module is useful to develop user friendly programs using command line arguments?	
Code No.: 1053	0 E Sub. Code : CMCA 41		(a) argparse (b), argv	
			(c) args (d) All of these	
B.C.A. (CBCS) DEGREE EXAMINATION, APRIL 2024.		4.	is a package that contains several	
Fourth Semester			classes, functions and variables to deal with scientific calculations.	
Computer Application — Core			(a) Array (b) List	
PYTHON PROGRAMMING			(c) Numpy (d) Sequence	
(For those who joined in July 2021-2022 onwards)		5.	A cannot run on its own.	
Time: Three hours Maximum: 75 marks			(a) Suite (b) Class	
PART A — $(10 \times 1 = 10 \text{ marks})$			(c) Functions (d) Modules	
Answer ALL questions.		6.		
Choose the correct answer:			an iterable object that satisfies a given condition.(a) List comprehension	
1 is used to read and write big			(b) Tuples	
1 is used to read and write big data files.			(c) Cloning	
(a) Fiona	(b) Jellyfish		(d) Intersection ()	
(c) Cherrypy	(d) Pandas			
2. In python program — is used to represent an empty object.		7.	7. Which method of dictionaries returns the valuassociated with key 'K' and returns 'V' if key is no found?	
(a) Null	(b) Defaults		(a) $d.pop(K[,V])$ (b) $d.setdefault(K[,V])$	
(c) None	(d) All the above		(c) d.get(K[,V]) (d) All of these	
			Page 2 Code No.: 10530 E	

8.	The is useful to catch an exception			
	that is raised in the try block.			
	(a) Except			
	(b) User-defined Exception			
	(c) Built-in exception			
	(d) All of these			
9.	Instance methods use ———— as first default			
	parameters.			
	(a) Class (b) Object			
	(c) Self (d) Instance			
10.	The process of deriving subclasses from multiple			
	base classes is called ———			
	(a) Polymorphism			
	(b) Single Inheritance			
	(c) Multiple Inheritance			
	(d) Method overloading			
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PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions by choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Distinguish between the features of C and Python.

Or

- (b) Describe various Data types in python with examples.
- 12. (a) Discuss about command line Arguments in python.

Or

- (b) Write a python program to display prime number series.
- 13. (a) Explain various formats of slicing the string with examples.

Or

- (b) Explain Recursive function and write a python program to calculate factorial values using recursion.
- 14. (a) Describe about various operations on Dictionary with example.

Or

(b) Define exception and its types. Summarize some important built-in exceptions in python.

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[P.T.O.]

15. (a) Write about passing members of one class to another class in python with example.

Or

(b) Explain briefly about method resolution order.

PART C —
$$(5 \times 8 = 40 \text{ marks})$$

Answer ALL questions by choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Explain the important features of python.

Or

- (b) Give an account on Bitwise operators with suitable examples.
- 17. (a) Discuss about the different formats of output statements in python with example.

Or

- (b) Describe briefly about working with Multidimensional arrays.
- (a) Illustrate various Anonymous Functions or Lambdas with examples.

Or

- (b) Briefly explain the following with examples:
 - (i) Nested Lists.
 - (ii) List comprehension.

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 (a) Write short note on converting Lists and strings into dictionary.

Or

- (b) Describe about Random accessing of Binary files with examples.
- 20. (a) Classify the various types of methods with example.

Or

- (b) Write brief note on:
 - (i) Operator Overloading
 - (ii) Method Overloading.

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