

Enrollment No.....



Faculty of Science/Engineering  
End Sem Examination Dec 2024

CA3EL06 Python Programming

Programme: BCA/BCA-MCA  
(Integrated)

Branch/Specialisation:  
Computer Application

Duration: 3 Hrs.

Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

	Marks	BL	PO	CO	PSO
Q.1 i. What is the output of this expression, print (2**0)?	1				
(a) 1 (b) 0 (c) 2 (d) 3		01	01	01	
ii. Which one is python membership operator?	1				
(a) Not (b) And (c) Or (d) in		01	01	01	
iii. In tuple, if we assign the value without comma it is treated as-	1				
(a) String					
(b) Decimal		03	02	01	
(c) Integer					
(d) None of these					
iv. What will be the output of following snippet- v= [1,2,3,4,5] print(v [3:0:-1])	1				
(a) Syntax error					
(b) [4,3,2]		04	02	03	
(c) [4,3]					
(d) [4,3,2,1]					
v. What will be the output of following snippet:- X=10 While(x>0) X - = 3 Print(x, end=” “)	1				
(a) 7 4 1 (b) 7 5 2 0					
(c) 7 4 1 -2 (d) 7 4 1 -2 -5					

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vi.	What will be the output of following code- For i in range(3): For j in range(3): Print(i*j, end='') Print() (a) 000 012 024                      (b) 012 024 036 (c) 000 012 036                      (d) 000 012 012	1	03	02	03
vii.	The following python program can work with_____ parameters. Def fun(x): Def f1(*args, **kwargs): Print("Medi-Caps") Returen X(*args, **kwargs) Return f1 (a) 0                                      (b) 1 (c) 2                                      (d) Any number of	1	03	02	03
viii	What The keyword we use to define function is- (a) define                                  (b) call (c) def                                      (d) fun	1	02	01	01
ix.	To open a file D:\abc.txt for writing, we use- (a) outfile = open("c:\scores.txt", "w") (b) outfile = open("c:\\scores.txt", "w") (c) outfile = open(file = "c:\scores.txt", "w") (d) outfile = open(file = "c:\\scores.txt", "w")	1	03	02	02
x.	How many except statements can a try-except block have? (a) Zero                                      (b) One (c) More than one                          (d) More than zero	1	02	02	02
Q.2	i. Write the features of python. ii. Write the difference between Python2 and Python3 with example.	2	02	02	02
OR	iii. What is operator? Describe any four operators used in python with syntax and example.	8	04	03	03
Q.3	i. Explain built in functions of python list. ii. What is tuple? How tuple() constructor works in python.	2	01	02	
		8	05	03	03

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OR	iii. What is Dictionary? write a program to concatenate two dictionaries into one.	8	05	03	03
Q.4	i. Explain range function with two and three parameters. ii. Explain while loop. Write a python program to print the following pattern using loop- ***** ***** *** ** *	3	03	03	03
		7	06	04	03
OR	iii. Write a program to demonstrate break, continue and pass statement with example.	7	03	02	01
Q.5	i. What is function? Demonstrate the use of args and kwargs with example. ii. How recursive function works? Demonstrate a program to generate Fibonacci series using recursion.	4	03	02	03
		6	06	04	03
OR	iii. Describe random module? Write a program to generate random number	6	04	03	03
Q.6	Attempt any two- i. Write a program to read file and write file data in python. ii. Explain file operations take place in python with syntax and example. iii. What is exception handling? Write a program to demonstrate try with else clause.	5	03	02	03
		5	02	01	02
		5	03	02	03

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**Marking Scheme**  
**CA3EL06 (T) Python Programming (T)**

Q.1	i)	(a) 1	1
	ii)	(d)in	1
	iii)	(d) None of these	1
	iv)	(b) [4,3,2]	1
	v)	(c) 7 4 1 -2	1
	vi)	(a) 000 012 024	1
	vii)	(c) Any number of	1
	viii)	(c) def	1
	ix)	(b) outfile = open("c:\\scores.txt", "w")	1
	x)	(d) More than zero	1
Q.2	i.	2 marks for at least 3 feature.	2
	ii.	6 Marks for difference and 2 Marks for example.	8
OR	iii.	2 Marks for what is operator and 1.5 for each operator explanation.	8
Q.3	i.	2 marks for any three built in functions of python list.	2
	ii.	2 Marks for what is tuple, 2 marks for use of tuple() constructor works in python and 4 marks for program as an example.	8
OR	iii.	What is Dictionary? Write a program to Concatenate Two Dictionaries into One.	8
Q.4	i.	1 Mark for Explain range function and 2 marks for example of two and three parameters.	3
	ii.	3 Marks for explain while loop and 4 marks for a python program to print the following pattern using loop.	7
OR	iii.	5 marks for demonstrate break and continue and 2 marks for pass statement with example.	7
Q.5	i.	1 Marks for what is function and	4

		3 Marks for Demonstrate the use of args and kwargs with example.	
	ii.	2 Marks for how recursive function works and 4 marks for a program to generate Fibonacci series using recursion.	6
OR	iii.	2 marks for describe random module and 4 marks for program to generate random number.	6
Q.6	i.	2.5 marks for code of read file and 2.5 marks for write file data in python.	5
	ii.	5 marks for explaining any 5 file operations of python with syntax and example.	5
	iii.	2 marks for what is exception handling and 3 marks for Write a program to demonstrate try with else clause.	5

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