Bundelkhand Institute of Engineering & Technology, Jhansi Class Test 1 (2022-2023) III Semester EE/CE/CH [B.Tech]

Sub Code: KNC-302 Time: 1 Hours

Sub: Python Programming Max. Marks: 15

INSTRUCTION: 1) Attempt all the questions.

Roll No.					

Q. No.		Question	Marks	CO	
1	Fine	the value of			
	a	3%10	01	1	
	ь	10011101 & 11100011	01	1	
	c	32^64	01	1	
	d	44//3	01	1	
	¢	5%2=0 and 20%5=0	01	1	
2	Atte	mpt all parts of the following:			
	a	What do you mean by system software and application software?	2.5	1	
	ь	Explain LIST, TUPLE, SET, DICTIONARIES	2.5	1	
3	Atte	mpt all parts of the following			
	a	What do you understand by Tokens? Explain each part in detail.	2.5	1	
	Ь	Write a Python Program to calculate student percentage in five subject.	2.5	1	

Bundelkhand Institute of Engineering & Technology, Jhansi Class Test 1 (2022-2023) B.Tech IV Semester CS/IT/ME/EC

Sub C	ode:	KNC-402
Time:	1 He	purs

Sub: Python Programming Max. Marks: 15

INSTRUCTION:

Roll No.

Q. No.		Marks	CO	
1	Fin			
_	a	32>>2	01	1
	ь	16<<3	01	1
	c	32%7	01	1
	d	44//3	01	1
	e	5%2==0 and 20%5==0	01	1
2	Atte	mpt all parts of the following:		
	a	Differentiate between IDE & IDLE.	2.5	2
	Sh-		2.5	1
3	Atte	mot any two parts of the following		
	а	Differentiate between object oriented programming and procedure oriented programming with suitable example.	2.5	2
	ь	Write a program to convert upper case letter to lower case and vice-versa.	2.5	1
	С	Write a program to find largest no among three no using NESTED IF-ELSE.	2.5	-

Bundelkhand Institute of Engiaeering and Technology, Jhansi Department of Information Technology

Class Test 1 (2021-2022) B.Tech III Semester (EE+CE+CH)

Sub Code: KNC-302 Time: 1 Hours

Sub: Python Programming Max. Marks: 15

INSTRUCTION: Attempt all the questions.

NOIL NO. C) A - C A				
Roll No. 2 0 0 4 3 2	2 0	0	4	9

Q. No.		Question	Marks	T 60
1	Att	Marks	CO	
	28	Explain the term object oriented concepts with suitable example.	02	-
	b	What are the differences between Tuple, List, SET and Dictionary?	02	1
	c	What is an Algorithm? make an algorithm for swap of two value	02	1
2	Atte			
	a	empt all parts of the following: What do you mean by comment in python? Explain with suitable example.	00	<u>-</u>
	b	Find the output of the following	02	1
		1.9 % 2	03	1
		2. $a = 8.6 b = 2 \text{ print } a//b = 9$	i	
		3. a='student', b='rollno' then what is the output of c = a-b print(c)		
	337-74	Student foll no		
3	is 8.5	e a Python program to calculate actual salary of an employee when HRA is 7.5 %, TA %,DA is 9.5% and Income tax is 10.5% of Basic salary.	04	1

Bundelkhand Institute of Ingineering and Technology, Jhansi

Department of information Technology
Class Test II (2021-2022)
B.Tech III Semester (EE+CE+CH)

Sub Code: KNC-302 Time: 1 Hours

Sub: Python Programming

Max. Marks: 15

INSTRUCTION: Attempt all the questions

AND MEDICAL PROPERTY OF THE PR

Roll No.

-		Question		Marks	C		
1	Attempt all parts of the following:						
	a	Describe Arithmetic Operators, Assignment Operators, Con and Bitwise Operators.	nparison Operators, Logical Operators	02	- 1		
	b	What are the differences between if else and nesta J if else wit	h suitable example.	02	2		
	C.	02	2				
2	c Write Python code to check if a given year is a lerp year or not. Attempt all parts of the following:						
	,	properties of tellers to towercase and vice versa.					
	*p	02	2				
3	Writ 9.59	e a Python program to calculate actual salary of at, employee v is and the details are given below	shen HRA is 7.5 % , TA is 8.5% DA is	04	3		
		Salary	m. Tax				
	-	1 IP/Prin Language	me Tax				
		UPTO 10000 NII					
		UPTO 10000 NII >10000 to 25000 5%					
		UPTO 10000 NII	L				

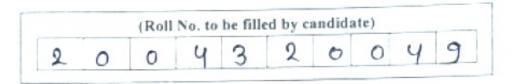
Bundelkhand Institute of Frequencing & Technology, Jhami Class Test II (2022-2023) III Sentester EE/CE/CH [B-Tech]

Sub-Code: KNC-302 Time: I Blaues Sub: Python Programming Max. Marks: 15

Q. Vo.	Atte	mpt all the questions	Marks	CO
1	Find	-	L.E.	
	a	X-21 'A-2 ' a ' , 1 ' C' 1 X-deart)	01	1
	1 6	Print(X) 256 & 128	01	1
_	1	32 64	01	1
	d	principaged E)-19	.01	1
	5	to Imple anotable?	01	1
	Allen	op all parts of the following Write a program to check vowel and consonant.	25	2
	1	Wite a program to check vowel and consonant. Exploremente between Newled if-else and clif ladder with unitable example,	2.5 2.5	2 2
	1	Wite a program to check vowel and consonant. (Afferentiate between Newtod if-else and clif ladder with untable example,	2,5	2
-	1	Write a program to check viswel and consonant. Deformant between Newled dieloc and clif ladder with untable example. Per any two parts of the following: Write a program to Print factorial of any given number.		2 2
-	1	Wite a program to check vowel and consonant. (Afferentiate between Newtod if-else and clif ladder with untable example,	2,5	2
-	Atten	Write a program to check vowel and consonant. Differentiate between Newted if-else and clif ladder with untable example, prints a program to Print factorial of any given number. Write a program to check whether your no. is prime or not. Write > program to print following pattern.	25	2
1	h Atten	Write a program to check wowel and consonant. Deformant between Newled effects and clif ladder with untable example. Per any two parts of the following: Write a program to Print factorial of any given number: Write a program to check whether your no. is prime or not	2.5	2

@ 128 9/256

example



B. TECH. THIRD SEMESTER THEORY EXAMINATION, 2021-22 KNC-302 PYTHON PROGRAMMING

Max. Marks: 50 Time: 02 Hours Note: Attempt all questions. All questions carry equal marks. Attempt any FOUR parts of the following: 4×2.5 a Differentiate between procedures oriented and object oriented programming languages. b. What do you understand by open source software? Write CO1 any five open source software name. c. What do you mean by Operators? Explain each part in CO1 details What is an algorithm? Make an algorithm to find the largest CO1 number among three numbers. . e. Differentiate between mutable and immutable data type CO1 used in Python. What is the Indentation? How it is useful in Python CO1 Programming? Explain with suitable example. Attempt any TWO parts of the following: CO Write a Python program to convert capital letter into small CO2 letter and vice-versa b. Differentiate between break and continue with suitable CO2 Write a Python program to calculate actual price on CO2 purchase of computer

的。 1985年 - 1985年

Price(Rs)	Discount (%)
Upto 10,000	4
>10,000 to 25,000	7
>25,000 to 40,000	9
-40,000 to 70,000	12
>70,000 to 1 lac	15
>1 lac	25

- Attempt any TWO parts of the following: 2×5 CO
 Differentiate between for and while loop with suitable CO3 example.
 Write a Python program to check Prime number or not. CO3
 Write a Python program to check whether your number is CO3 palindrome number or not.
- 4. Attempt any TWO parts of the following:

 a. What do you mean by Function in Python? Differentiate between actual argument and formal argument with suitable example.

 b. Find factorial of given number using function.

 c. What is recursion? Print Fibonacci series up to n term using recursion.
- Attempt any TWO parts of the following:
 a. Differentiate class, object, abstraction, polymorphism, CO5 encapsulation And inheritance with suitable example.
 b. What is file in python programming? Explain various CO5 operations performed on file
 - c. How many operations are performed on a list? Explain any CO5 one of the following.

Total Number of Printed Pages: 02

KNC 302

(Roll No. to be filled by candidate)									
27 0	0	4	3	0	1 -	00	2	2	

AND STATES THE LEASE WAS A

THIRD SEMESTER THEORY EXAMINATION, 2022-23 KNC-302 PYTHON PROGRAMMING

Time: 02 Hours

Max Marks: 50

Note

· Attempt all questions

1. Attempt any four of the following:

CO1 [4x2.5]

- Differentiate between IDE and IDLE with suitable example.
- What do you understand by object oriented programming vs procedure oriented programming.
 - c. Differentiate between single line and multi-line comment? How it's useful in programming?
- What is an algorithm? Make an algorithm to find the largest number among three numbers.
- Differentiate between Tuple, LIST, SET and Dictionaries.
- f. Write a Python Program to convert Rupees into Dollar and Euro.

2. Attempt any two of the following:

CO2 [2x5]

- a Write a Python program to print series $S=X^{1/1}+X^{2/2}+X^{3/3}+.....UPTO 10 Term.$
- b. Write a Python program to make a calculator of any two numbers to perform addition, subtraction, multiplication, division, modulus and floor division.
 - c. Differentiate between goto and pass statement with suitable example.

3. Attempt any two of the following: CO3 [2x5]

a Write a python program to print Tribonacci series upto ten terms.

1

Total Number of Printed Pages: 02

KNC 102

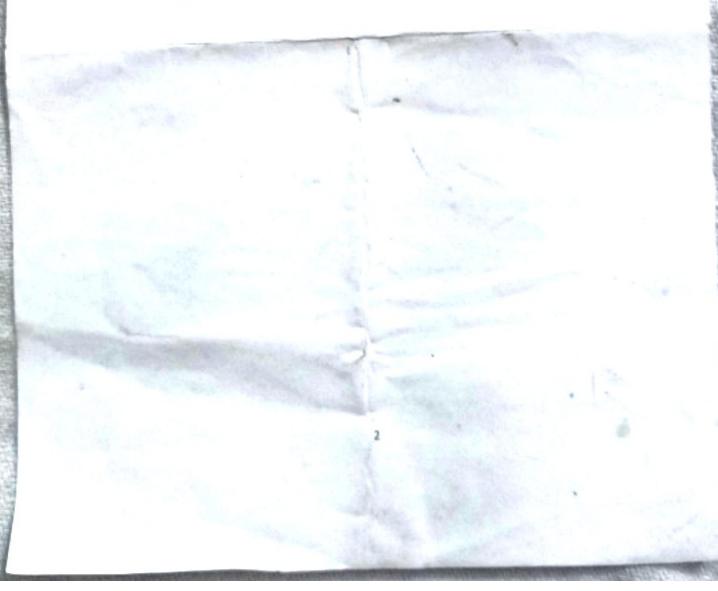
- b Differentiate between break and continue with suitable example.
- Write a Python program to check whether your number is palindrome number or not.
- 4. Attempt any two of the following:

[2x5] CO₄

- a What do you mean by Function in Python? Differentiate between actual argument and formal argument with suitable example.
 - b. Write a python program to find GCD of any two given number.
- c. What is recursion? Find factorial of any given number using recursion.
- Attempt any two of the following:

[2x5]

- a What is file in python programming? write a program to perform open, road ,write and append in "student.txt"
- Explain tuple and it's all operation with suitable example.
 - Write a python program to sort ten elements in a given list.



(Roll	No.	to	be	filled	by	candidate)	-	
7									

B. TECIL

FOURTH SEMESTER THEORY EXAMINATION, 2022-23 KNC-402

PYTHON PROGRAMMING	
Time: 02 Hours Max. Marks: 5	0
Note: Attempt all questions. All questions carry equal marks.	
 Attempt any FOUR parts of the following: 4×2.5 	O
What is the difference between Python Arrays and lists?	COL
Define floor division with example.	:02
 c. Solve the Tower of Hanoi problem for n= 3 disk and show C all the steps. 	02
How to create and import a module in Python?	CO3
e. Explain the term Merge List in Python Programming.	CO5
Explain the basic data types available in Python with examples.	CO3
 Attempt any TWO parts of the following: 2×5 	CO
Objects. Write Python program to Check Whether the Area of the First Rectangle is Greater than Second. Write Python program to sort numbers in a list in ascending order using Bubble Sort.	
c. Discuss ADT in python. How to define ADT?	CO4
 Attempt any TWO parts of the following: 2×5 	CO
a. Write a recursive function to compute the factorial of an input number N.	1

b. Write a program to sort list of dictionaries by values in CO3 Python - Using lambda function.

c. Explain the purpose and working of loops. Discuss Break CO2 and continue with example.

- Attempt any TWO parts of the following: 2×5 CO
 a. Discuss Exceptions and Assertions in python. How to handle Exceptions with Try-Finally? Explain 5 Built-in Exceptions with example.
 b. Describe the difference between Python os and os.path modules. Also, discuss the following methods of os module

 a) chdir() b) rmdir() c) walk() d) listdir() e) getcwd()
 c. Write Pythonic code to sort a sequence of names according to their alphabetical order without using sort() function.

 5. Attempt any TWO parts of the following: 2×5 CO

 a Write a Python program to check the validity of a password given by the user. The Password should satisfy the
 - following criteria:

 1. Contain at least 1 letter between a and z
 - 2. Contain at least 1 number between 0 and 9 a
 - 3. Contain at least inletter between A and Z
 - 4. Contain at least 1 character from \$, #, @
 - 5. Minimum length of password: 6
 - 6. Maximum length of password: 12
 - Explain the concept of scope and lifetime of variables in CO2.
 Python programming language with an example.
 - Describe Arithmetic Operators, Logical Operators and Carl Bitwise Operators in detail with examples.

B 5