



BUDDHA INSTITUTE OF TECHNOLOGY, GIDA, GORAKHPUR

DEPARTMENT OF CE/ME/EC

PRE AKTU EXAM (EVEN SEMESTER 2022-23)

July-2023

Course:	B.Tech	Semester:	IVth
Subject:	Python	Subject Code:	KNC-402
M.M.	100	Time:	3:00 hrs
			Roll No. _____

SECTION-A

1. Attempt all questions. Each questions carry equal marks.

Marks: 10*2=20

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	What do you understand about Python IDE?	L2	CO1
b.	Explain Assignment Statement.	L2	CO1
c.	What are the conditionals statements in python?	L2	CO2
d.	What is break statement in python?	L2	CO2
e.	What do you understand by parameters with default values?	L2	CO3
f.	What do you understand by sequences in python?	L2	CO3
g.	What do you understand by class?	L2	CO4
h.	What do you understand by object?	L2	CO4
i.	What do you understand by searching?	L2	CO5
j.	Explain merge sort.	L2	CO5

SECTION-B

2. Attempt ALL questions. Each questions carry equal marks.

Marks: 3*10= 30

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	Write a program to display details entered by a user i.e. name, age, gender and height and what is decision control statement explain any one with flow chart and example.	L3	CO1
or			
a.	Write a program that uses all the type conversion functions.	L3	CO1
b.	Write a program to prompt a user to enter a day of the week. If the entered day of the week is between 1 and 7 then display the respective name of the day.	L3	CO2
or			
b.	Write a program to find the factorial of a number using while loop and for loop .explain nested if else if statement with example .	L3	CO2
c.	What do you understand by a function? Write and explain the syntax of a Function and discuss about advantages of function.	L2	CO3

SECTION-C

3. Attempt ANY ONE questions. Each questions carry equal marks.

Marks: 1*10=10

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	Write a program to find the difference between the ASCII code of any lower case letter and its corresponding upper case letter.	L3	CO1
b.	Write a program to calculate the distance between two points. The formula for computing distance is $\sqrt{(X2 - X1)^2 + (Y2 - Y1)^2}$	L3	CO1

4. Attempt ANY ONE questions. Each questions carry equal marks.**Marks: 1*10=10**

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	Write a program to print the following pattern * * * * * * * * * * * * * * *	L3	CO2
b.	What is the difference between break and continue. Explain with example.	L3	CO2

5. Attempt ANY ONE questions. Each questions carry equal marks.**Marks: 1*10=10**

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	Write a program to return the maximum of two numbers using function.	L3	CO3
b.	What do you understand by list? Explain any five inbuilt methods in list with example.	L2	CO3

6. Attempt ANY ONE questions. Each questions carry equal marks.**Marks: 1*10=10**

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	Explain exception and assertion modules. Also discuss about file handling operation and modes with example.	L2	CO4
b.	Write a program to generate a prime number using sieve of Eratosthenes.	L3	CO4

7. Attempt ANY ONE questions. Each questions carry equal marks.**Marks: 1*10=10**

Q. No.	Question	Level of Taxonomy	Course Outcome
a.	Explain selection sort and merge sort.	L2	CO5
b.	Write a program for towers of Hanoi for n=3 using recursion.	L3	CO5