



R20 Regulation

Subject code: 306AE

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VI Semester Regular/Supplementary Examinations, July 2024

PYTHON PROGRAMMING

(Open Elective)

(CIVIL ENGINEERING)

Maximum Marks: 70

Date:01.08.2024 Duration: 3 hours

- Note: 1.This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X2M=20 Marks)		CO	Bloom Tx
1	Define Keywords.	CO1	BL2
2	Define namespace.	CO1	BL2
3	What is meant by interpreter?	CO2	BL1
4	Define an expression with example.	CO2	BL1
5	What are the different types of operators?	CO3	BL1
6	What are conditionals statements?	CO3	BL1
7	Relate String and List.	CO4	BL2
8	How to return tuples as values?	CO4	BL2
9	Write a python program that writes "Hello world" into a file.	CO5	BL2
10	List the two parts in an error message.	CO5	BL1

Part-B

Answer All the following questions. (5X10M=50Marks)			
11	a) What is an algorithm? Summaries the characteristics of a good algorithm. (5) b) Outline the algorithm for displaying the first n odd numbers. (5)	CO1	BL2
OR			
12	Explain in detail about Python and its features and how to install python IDE and setup variable path. (10)	CO1	BL2
13	Define variables. List down the rules for naming the variable with example. (10)	CO2	BL2
OR			
14	Explain about operators with suitable examples. (10)	CO2	BL2
15	Explain in detail about Fruitful Functions. (10)	CO3	BL2
OR			
16	Discuss in detail about list methods and set methods with examples. (10)	CO3	BL2
17	Describe the commands used to read and write into a file with example. (10)	CO4	BL2
OR			
18	Explain in detail about Pandas. (10)	CO4	BL2
19	Explain about how to handle exceptions. (10)	CO5	BL2
OR			
20	Differentiate between errors and exceptions. (10)	CO5	BL1

