



SWARNANDHRA

College of Engineering & Technology

(Autonomous)

Narsapur - 534 280.

DEPARTMENT OF COMPUTER & SCIENCE ENGINEERING

Questions Bank

Course Code	Course Title	Course / Semester	Branches/Section	Contact Hrs/Week	Academic Year
16CS7E06	Python Programming	IV B.Tech / VII	CSE – A, B & Shift	4	2020-21

SNo	Question	Course Outcome	Knowledge Level
UNIT-I			
1.	Explain about keywords used in Python.	CO1	K2
2.	Explain about iteration statements with examples.	CO1	K2
3.	Explain about string formatting operator with example.	CO1	K2
4.	Define the scope and lifetime of a variable in Python	CO1	K1
5.	Explain Python bitwise operators with example.	CO1	K3
6.	Discuss about Python operators' precedence with example.	CO1	K2
7.	Discuss about variables and assignments.	CO1	K2
8.	Explain about IDLE startup details.	CO1	K2
9.	Describe Python jump statements with examples.	CO1	K1
10.	Illustrate about running Python scripts.	CO1	K3
11.	Write the history of Python.	CO1	K3
12.	Differentiate between logical and bitwise operators.	CO1	K2
13.	List out the applications of Python Programming language.	CO1	K3
14.	Why need for Python programming and briefly explain Integer, String and Boolean Data types with examples.	CO1	K3
15.	Explain Logical Operators, Bitwise Operators and write example programs using these operators.	CO1	K3
UNIT-II			
1.	Explain in detail about dictionaries in Python.	CO2	K3
2.	Discuss about tuples in Python.	CO2	K2
3.	Compare fruitful and void functions.	CO2	K4
4.	Briefly discuss about Python packages.	CO2	K2
5.	Explain about required and variable-length arguments.	CO2	K3
6.	Write a brief note on PIP. Explain installing packages via PIP.	CO2	K3
7.	Discuss about immutable constraints and frozen sets.	CO2	K2
8.	Give an example for List comprehension.	CO2	K2
9.	Explain about built-in functions of tuple.	CO2	K2
10.	Discuss about list and dictionary comprehensions.	CO2	K2
11.	Explain about keyword and default arguments.	CO2	K2
12.	Describe anonymous functions examples.	CO2	K1
13.	Understand Function in Python with and without return type.	CO2	K2
14.	Write the syntax for if else and for loop and write program to find max with if-else and sum of N numbers using FOR loop.	CO2	K3

15.	Define Lists and Tuples using both methods with symbols and constructors and Operations insert, delete, sort, and append items on these structures.	CO2	K1
UNIT-III			
1.	Explain creating classes in Python with examples.	CO3	K2
2.	Explain inheritance class with suitable example.	CO3	K3
3.	Discuss about try except block with example.	CO3	K2
4.	Differentiate between class variables and instance variables.	CO3	K2
5.	Write the overview of OOP terminology.	CO3	K3
6.	Explain about except clause with multiple exceptions.	CO3	K2
7.	Define error and exception.	CO3	K1
8.	Explain handle exceptions in python and give examples with code	CO3	K3
9.	Discuss the object-oriented features in Python programming language.	CO3	K2
UNIT-IV			
1.	Explain about Operating System Interface functions with suitable examples.	CO4	K3
2.	Determine a String Pattern Matching with an example.	CO4	K3
3.	Discuss about Internet Access and explain about its supporting package.	CO4	K3
4.	Outline about data compression.	CO4	K4
5.	Explain various String pattern matching functions in Python.	CO4	K3
6.	Explain the following: i Calendar module ii String Pattern Matching.	CO4	K3
UNIT-V			
1.	Determine the polynomials in python.	CO5	K3
2.	Briefly explain about Scipy package with suitable example.	CO5	K3
3.	Briefly explain about Matplotlib-visualization with an example.	CO5	K3
4.	Determine the Matplotlib library in python and list out functions of Matplotlib library.	CO5	K3
5.	Briefly explain Numpy package? Write a program to find the squares of a list of numbers.	CO5	K3
6.	Briefly explain Pandas package? Create a Data frame for employees with eno,ename & sal.	CO5	K3
UNIT-VI			
1.	Briefly describe about the supervised learning with an example.	CO6	K3
2.	Briefly describe about the semi-supervised learning with an example.	CO6	K3
3.	Apply data preprocessing with Python modules.	CO6	K4
4.	List out machine learning techniques.	CO6	K3
5.	List and explain the various visualization methods.	CO6	K3
6.	Analyze Weather forecasting data and visualize the results with Python modules	CO6	K4

Course Coordinator