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**3rd Sem.
Branch : Automation & Robotics
Sub.: Python Programming**

Time : 3 Hrs. M.M. : 60

SECTION-A

Note: Multiple choice Questions. All Questions are compulsory. (6x1=6)

- Q.1 What is Instantiation in terms of OOP terminology? (CO4)

 - a) Deleting an instance of class
 - b) MOdifying an instance of class
 - c) Copying an instance of class
 - d) Creating an instance of class

Q.2 Is Python case sensitive when dealing with identifiers? (CO1)

 - a) Yes
 - b) No
 - c) Machine dependent
 - d) None of the above

Q.3 Which of the following is a Python tuple? (CO2)

 - a) [1,2,3]
 - b) (1,2,3)
 - c) {1,2,3}
 - d) {}

Q.4 Program code making use of a given module is called a _____ of the module. (CO3)

 - a) Client
 - b) Docstring
 - c) Interface
 - d) Modularity

- Q.5 Config() is Python Tkinter are used for _____. (CO5)

 - a) Place the widget
 - b) Destroy the widget
 - c) Configure the widget
 - d) Change property of the widget

Q.6 Which of the following is not a type of inheritance? (CO4)

 - a) Double level
 - b) Multi level
 - c) Single level
 - d) Multiple

SECTION-B

Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 What are Iterators in Python? (CO2)

Q.8 _____ is the developer of PYTHON. (CO1)

Q.9 Does Python support multiple Inheritances? (CO4)

Q10 Which keyword is used to import a module in Python? (CO3)

Q.11 How do you resize an Image in Python GUI? (CO5)

Q.12 Variable declarations in implicit in python. (True/False) (CO1)

SECTION-C

Note: Short answer type Questions. Attempt any eight questions out of ten Questions. (8x4=32)

- Q.13 Differentiate between a mutable data type and an immutable data type? (CO1)**

- Q.14 Define Module in Python? How to create a module and use it. (CO3)

Q.15 How do you update and delete data in database? (CO5)

Q.16 Explain the difference between for and while loops in terms use case and execution. (CO2)

Q.17 Define class? How to create an class and its object in Python. (CO4)

Q.18 Explain open () and close () methods for opening and closing a file. (CO3)

Q.19 Explain numeric data types in Python. (CO1)

Q.20 Explain exception handling with example using try, except, raise words. (CO4)

Q.21 Enlist built in function in tuple and explain any four. (CO2)

Q.22 What is Tkinter, and why is it used in Python programming? (CO5)

SECTION-D

Note: Long answer questions. Attempt any two questions out of three Questions. (2x8=16)

- Q.23 Explain the process of Exception handling in Python with suitable example? (CO4)

Q.24 Write a program in python to check weather a number is prime or not. (CO1)

Q.25 What are the basic list operations that can be performed in Python? Explain each operation with its syntax and example. (CO2)