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**Question Paper Code: 94827**

B.E./B.Tech. DEGREE EXAMINATION, MAY 2022

Fourth Semester

Agriculture Engineering

19UIT427- OBJECT ORIENTED PROGRAMMING IN PYTHON

(Regulations 2019)

Duration: Three hours

Maximum: 100 Marks

Answer All Questions

PART A - (10x 2 = 20 Marks)

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|---|----------|
| 1. List the advantages of python programming                          | CO1- U   |
| 2. Give the various data types in Python with example.                | CO1- U   |
| 3. Write a Python program to convert a tuple to a dictionary.         | CO2- App |
| 4. Write an algorithm to implement pop operation.                     | CO2- App |
| 5. What is Aggregation? Give example                                  | CO1- U   |
| 6. Define Class and Objects   | CO1- U   |
| 7. Define Overriding  | CO1- U   |
| 8. List the types of arguments  | CO1- U   |
| 9. Differentiate Exceptions from Errors with example                  | CO1- U   |
| 10. What happen to the code when exceptions are not handled properly? | CO1- U   |

PART – B (5 x 16= 80Marks)

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|---|-------|------|
| 11. (a) Explain the data types in python with an example.                   | CO1-U | (16) |
| Or  |       |      |
| (b) Describe in detail about the decision making statement with an example? | CO1-U | (16) |
| 12. (a) Explain in detail about the Queues and different types of Queues    | CO1-U | (16) |
| Or  |       |      |
| (b) Describe about the Python data Structure with an examples               | CO1-U | (16) |

13. (a) Describe in detail about Python object recognition CO1-U (16)  
Or  
(b) Explain in detail about the Abstraction with an example CO1-U (16)
14. (a) Write a python code for Multilevel Inheritance and Single level Inheritance CO2-App (16)  
Or  
(b) Write a python code for Hierarchical Inheritance and Multiple Inheritance CO2-App (16)
15. (a) Explain the ways of raising inbuilt exceptions with example. CO1- U (16)  
Or  
(b) Describe in detail about the String Handling Functions CO1- U (16)