**Pragnya Education Trust’s**

**Pragnya college of management & computer studies,**

**Handewadi, Pune-411060,**

**Assignment(2020-2021)**

**Class: B.B.A (CA) Semester V**

**Sub: Cyber Security**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Explain the concept of Proxy Servers and Anonymizers? Explain Steganography?
2. Explain Forensics Analysis of Email? Write about Digital Forensics Lifecycle?
3. Write about Security and Privacy Implications from Cloud Computing?
4. Write about Cyber Forensics and Digital evidence? Write about Forensics Analysis of Email

**Sub: Object Oriented Software Engineering \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Write about Components Diagram and Collaboration Diagram? Give minimum 2 examples?
2. Explain concept of Interface? Write about packages?
3. Explain Use Cases and Use Case Diagram with stereo types? Provide 3 examples?
4. Write about Partitioning the Analysis Model and Concurrency and Sub System?

**Sub: Core Java**

1. Explain the concept of Interface? Explain Creation and Implementation of an interface, Interface reference ?
2. Explain concept of Exception and Error? Explain Use of try, catch, throw, throws and finally?
3. Explain File Class? Write about Readers and Writers class?
4. Write a program to input 10 nos and sort them in ascending & descending order?

**Sub: :** **Mongo DB**

1. Explain Index Concepts, Index Types, Index Properties, Index Creation and Indexing Reference?
2. Explain what is Aggregation? Explain types Aggregation?
3. Write about Monitoring issues related to Database? Write about Monitoring at Server, Database, Collection level, and various Monitoring tools related to MongoDB ?
4. Write about Database Profiling, Locks, Memory Usage, No of connections, page fault?

**Sub: :** **Python**

1. Explain need for dictionaries , Accessing values in dictionaries & working with Dictionaries & properties?
2. Write a program to generate [Fibonacci sequence](https://www.programiz.com/python-programming/examples/fibonacci-sequence)?
3. Explain Common Exception & Exception handling in Python (try-except-else)?
4. Write about Built in Modules? Importing modules in python program?