**Pragnya Education Trust’s**

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

**Handewadi, Pune-411060,**

**Examination(2020-2021)**

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

**Sub: Cyber Security Marks :30M Time : 1hour**

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**All question carry equal mark attempt any three questions**

1. Define Cybercrime? Who are Cybercriminals?
2. Explain Computer Network Intrusions, Password Sniffing, Credit Card Frauds, Identity Theft ?
3. Explain why do we need Cyberlaws? Explain the Indian IT Act ?
4. Explain social computing and the associated challenges for organizations?

**Sub: Object Oriented Software Engineering Marks :30M Time : 1hour**

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**All question carry equal mark attempt any three questions**

1. Explain what are Software Life Cycle Models?
2. Explain concept of UML? Explain advantages of UML?
3. Explain what is Object Orientation? Explain the concept Classes, object and Instance
4. Explain object oriented design method: The Booch Method, The Coad and Yourdon Method?

**Sub: Core Java Marks :30M Time : 1hour**

**All question carry equal mark attempt any three questions**

1. Explain Structure of Java Program? Explain features of Java?
2. Explain the need of array? Explain single Array & Multidimensional Array?
3. Explain Method Overloading, Recursion, Passing and Returning object form Method?
4. Explain the concept of Interface, Abstract class? Write about Comparison between Abstract Class and interface

**Sub: Mongo DB Marks :30M Time : 1hour**

**All question carry equal mark attempt any three questions**

1. Explain need of NoSQL Databases? Explain difference between NoSQL and RDBMS ?
2. Explain what is Data Modeling? Write about Data Modeling Approach?
3. Explain MongoDB Datatypes? Explain Mongo shell Commands to create, delete database?
4. Explain Backup and Recovery Methods for MongoDB ? Export and Import of Data to and from MongoDB?

**Sub: Python Marks :30M Time : 1hour**

**All question carry equal mark attempt any three questions**

1. Explain history & feature of Python? How to set up path?
2. Explain Accessing String, Basic Operations & String Slices?
3. Write about Python Exception, Common Exception & Exception handling in Python ?
4. Write about Tkinter programming & Tkinter widgets?