**Pragnya Education Trust’s**

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

**Handewadi, Pune-411060,**

**Assignment(2019-2020)**

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

**Sub: Recent Trends in Information**

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1. Explain what is Data Warehouse? Write about structure of Data Warehouse?
2. Explain Bidirectional Search and Uniform cost Search?
3. Write about ROLAP , MOLAP and HOLAP servers?
4. Explain Apache Spark Architecture?

**Sub: Software Testing**

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1. Explain Validation and Verification? Write the difference between validation & Verification?
2. Explain what is Software Metrics ? Write about size-oriented metric, Function –oriented metric?
3. Write about GUI Testing?
4. Explain the concept of Informal reviews? What is Software Reliability?

**Sub:** **Advanced Java**

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1. Explain Thread creation: Thread Class, Runnable Interface & Thread Priority?
2. Explain the concept of Sockets, Reading from and Writing to a Socket.?
3. Write about Session Tracking? Write about Servlet with database?
4. What is the output of following program.
5. class Base   {  public void baseMethod()

{

         System.out.println("BaseMethod called ...");

     }

}

class Derived extends Base

{

    public void baseMethod()

     {

        System.out.println("Derived method called ...");

    }

}  public class Test

{

    public static void main (String args[]) {

        Base b = new Derived();

        b.baseMethod();  }}

**Sub: Android Programming**

1. Explain Android API Levels? Explain Application Structure?
2. Explain the concept of Activity? Explain Activity life cycle?
3. Explain Bounded Service & Unbounded Service?
4. Explain what is Layout Manager? Explain Table Layout & Grid layout?