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| **Pragnya education trust’s** |
| **Pragnya college of management & computer studies,** |
| **Handewadi, Pune-411060** |
| **Examination(2020-2021)** |
| **BBA (CA) -- Semester: VI** |
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| **Sub: Recent Trends in Information Technology Marks :30M Time : 1hour** **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
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| **All question carry equal mark attempt any three questions** 1. Explain Artificial Intelligence, Data Mining & Spark?
2. Explain Blind Search Techniques: BFS, DFS, and DLS?
3. Explain OLAP Operations? Write about OLAP Vs. OLTP?
4. Explain the concept of Data Mining? Explain Data Mining Techniques?

 **Sub: Software Testing Marks :30M Time : 1hour \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  |

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

1. Explain the need of Software Testing? Write about Nature of errors?
2. Explain Testing Life Cycle ?
3. Explain Unit Testing, Integration- Top-down ,Bottom up with advantages & disadvantages?
4. Explain Regression Testing & Smoke Testing?

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

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

1. Explain JDBC Architecture & JDBC Process?
2. Explain the concept of Multithreading?
3. Explain Generic Servlet and Http Servlet? Write about Life cycle of servlet?
4. Explain Applications and Benefits of spring?

 **Sub:**  **Android Programming Marks :30M Time : 1hour**

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

1. Explain what is Android? Explain Android Architecture?
2. Explain the concept of Intent? Write about Implicit and Explicit Intent?
3. Write about Alert Dialog & DatePicker Dialog?
4. Explain ListView using Adapter & GridView using Adapter?

 **Sub:**  **Dot Net Framework Marks :30M Time : 1hour**

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

1. Explain what is Framework? Explain architecture of Dot Net Framework?
2. Explain Value and Reference Types, Boxing & Unboxing?
3. Explain ASP.NET Page Life Cycle?
4. Explain basics of Ado.net? Write about Connection Object & Command Object?