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| **Pragnya education trust’s** |
| **Pragnya college of management & computer studies,** |
| **Handewadi, Pune-411060** |
| **Examination(2017-2018)** |
| **BBA (CA) -- Semester: VI** |
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| **Sub: Advanced Web Technologies Marks :30M Time : 1hour** **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
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|  **All question carry equal mark attempt any three questions** 1. Explain the need of CSS? Explain types of CSS with example?
2. Explain the concept of client side scripting ? Explain Javascript history? Explain the concept of Javascript variable?
3. Explain the concept of DOM? Explain DOM Event Handling?
4. Explain concept of XSLT? Write about Ajax-DOM based XML processing?

 **Sub: Advanced Java Marks :30M Time : 1hour \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  |

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

1. Explain the need of JDBC? Explain JDBC architecture?
2. Explain what is Networking? Explain Port Number, Protocols and classes?
3. Explain the concept of Servlet? Explain types of Servlet?
4. Explain the Applications and Benefits of spring?

**Sub:** **Recent Trends in IT Marks :30M Time : 1hour**

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

1. Explain the concept of AI? Explain Applications of AI?
2. Explain Blind Search Techniques: BFS, DFS, DLS, Iterative deepening Search?
3. Explain OLAP Vs. OLTP? Explain types of OLAP Servers?
4. Explain Apache Spark Architecture? Write about Components of Spark?

 **Sub:**  **Software Testing Marks :30M Time : 1hour**

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

1. Explain Testing fundamentals, Testing principles & Testing Objectives?
2. Explain Testing Life Cycle?
3. Explain Integration testing? Explain Top-down ,Bottom up approach? Explain Big Bang Approach?
4. Write about testing tools and SQA? Write about JMeter, JUnit, WinRunner?