

B.Sc.(IT) Semester - 5 (CBCS) Examination
Oct/Nov - 2024 (NEW COURSE)
Advance Java Programming (J2EE)(Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Que. 1(A) Attempt following questions. (03)
1. ODBC stands for _____
 2. JDBC stands for _____
 3. JTA stands for _____
- Que. 1(B) Attempt following. (Attempt Any Two) (06)
1. What is Prepared Statement? Explain it.
 2. What is Callable Statement? Explain it.
 3. Explain Result Set Meta Data with suitable example.
 4. Explain Database Meta Data with suitable example
- Que. 1(C) Attempt following. (Attempt Any One) (05)
1. Explain N-Tier Architecture.
 2. Explain JDBC Architecture.
- Que. 2(A) Attempt following questions. (03)
1. RMI stands for _____.
 2. _____ method is used to identify the remote object.
 3. What is Servlet?
- Que. 2(B) Attempt following. (Attempt Any Two) (06)
1. Explain HTTP Session.
 2. Explain the role of Unicast Remote Object class in RMI.
 3. Explain Servlet Life Cycle.
 4. Explain Servlet request and response
- Que. 2(C) Attempt following. (Attempt Any One) (05)
1. Explain Architecture of a Servlet.
 2. Explain Http Servlet Request and Http Servlet Response
- Que. 3(A) Attempt following questions. (03)
1. List out JSP scopes?
 2. List out JSP scripting element.
 3. `<%@%>` this jsp notation is used for _____.
- Que. 3(B) Attempt following. (Attempt Any Two) (06)
1. How does servlet filter work?
 2. Explain action element in JSP.
 3. Explain scope of JSP.
 4. Explain JSP life cycle
- Que. 3(C) Attempt following. (Attempt Any One) (05)
1. Explain error handling in JSP.
 2. Explain working with session in JSP.

- Que. 4(A) Attempt following questions. (03)
1. ORM stands for _____.
 2. _____ invented hibernate framework
 3. MDB stands for _____.
- Que. 4(B) Attempt following. (Attempt Any Two) (06)
1. Explain role of model in MVC design pattern.
 2. What is automation? Explain it.
 3. What is ORM? Explain it.
 4. Explain MVC architecture.
- Que. 4(C) Attempt following. (Attempt Any One) (05)
1. Explain Implementation of MVC Architecture.
 2. Explain Hibernate Architecture.
- Que. 5 (A) Attempt following questions. (03)
1. IOC stands for _____
 2. AOP stands for _____
 3. OXP stands for _____
- Que. 5 (B) Attempt following. (Attempt Any Two) (06)
1. Explain processing request with action object.
 2. Explain Spring Framework.
 3. Explain inversion of control in Spring Framework.
 4. Explain Struts Flow of Control
- Que. 5 (C) Attempt following. (Attempt Any One) (05)
1. Explain advantages of Struts Framework.
 2. Explain Spring Architecture.
