

B.Sc.(IT) Semester - 5 (CBCS) Examination
Oct/Nov - 2023 (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) **Answer the following questions.** (03)
1. JDBC stands for _____.
 2. API stands for _____.
 3. JTA stands for _____.
- Que-1(B) **Answer the following question. (Any Two)** (06)
1. Explain Tomcat as web container.
 2. Explain database Metadata with suitable example.
 3. Explain Prepared statement with suitable example.
 4. What is callable statement? Explain it.
- Que-1(C) **Answer the following question. (Any one)** (05)
1. List types of driver available in JDBC. Explain any one of them with example.
 2. Explain JDBC Architecture.
- Que-2(A) **Answer the following questions.** (03)
1. What is stub?
 2. RMI stands for _____.
 3. Write down the use of skeleton.
- Que-2(B) **Answer the following question. (Any Two)** (06)
1. Explain skeleton class of RMI.
 2. Explain HTTP Session..
 3. Explain Servlet Life Cycle.
 4. Explain the role of Unicast Remote Object class in RMI.
- Que-2(C) **Answer the following question. (Any one)** (05)
1. Explain Servlet with JDBC.
 2. Explain the handling Servlet Requests and Response.
- Que-3(A) **Answer the following questions.** (03)
1. List out JSP scopes?
 2. List out JSP scripting element.
 3. <%@%>this jsp notation is used for _____.
- Que-3(B) **Answer the following question. (Any Two)** (06)
1. Explain Java Bean Packages.
 2. Explain page directive in JSP.
 3. Explain JSP architecture.
 4. How does servlet Filter works?

- Que-3(C) **Answer the following question. (Any one)** (05)
1. Explain working session with JSP.
 2. Explain error handling in JSP.
- Que-4(A) **Answer the following questions.** (03)
1. ORM stands for _____.
 2. _____ invented hibernate framework.
 3. EJB stands for _____.
- Que-4(B) **Answer the following question. (Any Two)** (06)
1. Explain role of model in MVC design pattern.
 2. What is automation? Explain it.
 3. Explain session in EJB.
 4. Explain hibernate configuration file and properties file.
- Que-4(C) **Answer the following question. (Any one)** (05)
1. Explain inheritance annotations.
 2. Explain implementation of MVC architecture.
- Que-5(A) **Answer the following questions.** (03)
1. OXM stands for _____.
 2. What is spring framework?
 3. AOP stands for _____.
- Que-5(B) **Answer the following question. (Any Two)** (06)
1. Explain inversion of control in spring framework.
 2. Explain struts flow of control.
 3. Explain processing request with action object.
 4. Explain advantages of spring framework.
- Que-5(C) **Answer the following question. (Any one)** (05)
1. Explain advantages of struts framework.
 2. Explain spring architecture.
