

**B.C.A Semester - 5 (Remedial) (CBCS) Examination****March/April-2022 (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. What is meta data?
2. DSN stands for \_\_\_\_\_.
3. What is J2EE?

**Que-1(B) Answer the following questions (ANY TWO)** **06**

1. Explain commit and rollback method of connection interface.
2. Explain JDBC architecture.
3. What is Container? Explain types of J2EE Containers.
4. Explain Result Set methods.

**Que-1(C) Answer the following questions (ANY ONE)** **05**

1. Explain N-Tier architecture.
2. Explain various J2EE APIs.

**Que-2(A) Answer the following questions** **03**

1. What is skeleton?
2. RMI stands for \_\_\_\_\_.
3. What is stub?

**Que-2(B) Answer the following questions (ANY TWO)** **06**

1. Explain HttpSession.
2. Explain Servlet with JDBC.
3. Explain Servlet Life cycle.
4. Explain Servlet request and response.

**Que-2(C) Answer the following questions (ANY ONE)** **05**

1. Explain Architecture of a Servlet.
2. Explain concept of Cookie Class in Servlet.

**Que-3(A) Answer the following questions** **03**

1. List-out JSP scopes.
2. List out Action elements of JSP.
3. What is Java Bean?

**Que-3(B) Answer the following questions (ANY TWO)** **06**

1. Write a diff. between include action & include directive.
2. Explain working with Session in JSP.
3. Explain life cycle of JSP.
4. Explain Directive elements of JSP.

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| Que-3(C) | <b>Answer the following questions (ANY ONE)</b>                                                                                                                                                                                                                | <b>05</b> |
|          | <ol style="list-style-type: none"> <li>1. Explain &lt;jsp:plugin&gt; action with example</li> <li>2. Explain JSP architecture.</li> </ol>                                                                                                                      |           |
| Que-4(A) | <b>Answer the following questions</b>                                                                                                                                                                                                                          | <b>03</b> |
|          | <ol style="list-style-type: none"> <li>1. List-out types of EJB.</li> <li>2. What is Entity bean?</li> <li>3. Define MVC.</li> </ol>                                                                                                                           |           |
| Que-4(B) | <b>Answer the following questions (ANY TWO)</b>                                                                                                                                                                                                                | <b>06</b> |
|          | <ol style="list-style-type: none"> <li>1. Explain Timer service in EJB.</li> <li>2. Explain message driven beans.</li> <li>3. Explain briefly Hibernate Architecture.</li> <li>4. What is Inheritance Annotations.</li> </ol>                                  |           |
| Que-4(C) | <b>Answer the following questions (ANY ONE)</b>                                                                                                                                                                                                                | <b>05</b> |
|          | <ol style="list-style-type: none"> <li>1. Explain Session EJB with example.</li> <li>2. Explain Implementation of MVC architecture.</li> </ol>                                                                                                                 |           |
| Que-5(A) | <b>Answer the following questions</b>                                                                                                                                                                                                                          | <b>03</b> |
|          | <ol style="list-style-type: none"> <li>1. What is Inversion of Control in Spring framework?</li> <li>2. What is Spring Context definition?</li> <li>3. What is Struts?</li> </ol>                                                                              |           |
| Que-5(B) | <b>Answer the following questions (ANY TWO)</b>                                                                                                                                                                                                                | <b>06</b> |
|          | <ol style="list-style-type: none"> <li>1. Explain Handling Request Parameters with Form Beans.</li> <li>2. Explain Spring Architecture.</li> <li>3. Explain Inversion of Control (IoC) in Spring.</li> <li>4. Explain benefits of Spring framework.</li> </ol> |           |
| Que-5(C) | <b>Answer the following questions (ANY ONE)</b>                                                                                                                                                                                                                | <b>05</b> |
|          | <ol style="list-style-type: none"> <li>1. Explain Struts flow of control.</li> <li>2. Explain advantages of Struts framework.</li> </ol>                                                                                                                       |           |

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