

B.Sc.(IT) Semester - 5 (Remedial) (CBCS) Examination**Feb/Mar. -2021 (NEW COURSE)****Advance Java Programming (J2EE)(Core)****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

-
- Q.1(A) Answer followings: (03)
1. ODBC stands for _____.
 2. JDBC stands for _____.
 3. _____ package is imported for jdbc.
- Q.1(B) Answer the following. (any two out of four) (06)
1. Explain prepared statement with example.
 2. Explain JDBC architecture.
 3. Explain Thin and Thick client.
 4. What is container? Explain types of container.
- Q.1(C) Answer the following. (any one out of two) (05)
1. Explain different JDBC types driver.
 2. Explain methods of resultset interface.
- Q.2(A) Answer followings. (03)
1. List out servlet life cycle method.
 2. RMI stands for _____.
 3. Javax.servlet and javax.servlet.http is part of _____
- Q.2(B) Answer the following. (any two out of four) (06)
1. Explain stub and skeleton class of RMI.
 2. Explain Servlet LifeCycle.
 3. Explain the role of UnicastRemoteObject class in RMI.
 4. Explain HttpSession.
- Q.2(C) Answer the following. (any one out of two) (05)
1. Write a Servlet that sets visitor counter using Session. Counter will be increased each time page is refreshed.
 2. Explain the handling Servlet Requests and Response.
- Q.3(A) Answer followings. (03)
1. Which method is used to access java bean property.
 2. List out JSP scope.
 3. List out JSP scripting element.
- Q.3(B) Answer the following. (any two out of four) (06)
1. Explain page directive in JSP.
 2. Explain Java Bean Packages.
 3. Explain JSP architecture.
 4. How error handling in JSP with example.
- Q.3(C) Answer the following. (any one out of two) (05)
1. Explain action element of JSP with suitable example.
 2. Explain working session with JSP.
- Q.4(A) Answer followings. (03)
1. ORM stands for _____.
 2. MVC stands for _____.

3. EJB stands for _____.

Q.4(B) Answer the following. (any two out of four) (06)

1. Explain session in EJB.
2. Explain role of model in MVC design pattern.
3. Explain hibernate configuration file and properties file.
4. What is message driven beans explain it.

Q.4(C) Answer the following. (any one out of two) (05)

1. Explain implementation of MVC architecture.
2. Explain inheritance and annotations in hibernate.

Q.5(A) Answer followings. (03)

1. OGNL stands for _____.
2. AOP stand for _____.
3. What is Struts?

Q.5(B) Answer the following. (any two out of four) (06)

1. Explain struts flow of control.
2. Explain inversion of control in spring framework.
3. Explain advantage of spring framework.
4. Explain processing request with action object.

Q.5 (C) Answer the following. (any one out of two) (05)

1. Explain spring architecture.
2. Explain advantages of struts framework.
