

B.C.A Semester - 5 (CBCS) Examination
December -2020 (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: (Only Three) (03)

- 1) List out various JDBC driver types.
- 2) JDBC stands for _____.
- 3) ODBC stands for _____.

B) Answer the following: (Any Two Out Of Four) (06)

- 1) Give the difference between execute(), executeQuery(), and executeUpdate() methods.
- 2) Explain Thin and Thick client.
- 3) Explain JDBC architecture.
- 4) What is container? Explain types of container.

C) Answer the following: (Any One Out Of Two) (05)

- 1) Explain database metadata interface.
- 2) Explain methods of resultset interface.

Q – 2 :

A) Answer followings: (Only Three) (03)

- 1) RMI stands for _____.
- 2) _____ method is used to identify the remote object.
- 3) List out servlet life cycle method.

B) Answer the following: (Any Two Out Of Four) (06)

- 1) Explain skeleton class of RMI.
- 2) Explain HttpSession.
- 3) Explain Servlet Life Cycle.
- 4) Explain the role of UnicastRemoteObject class in RMI

C) Answer the following: (Any One Out Of Two) (05)

- 1) Explain the handling Servlet Requests and Response.
- 2) Explain Servlet with JDBC.

Q – 3 :

A) Answer followings: (Only Three) (03)

- 1) List out JSP scopes.
- 2) List out JSP scripting element.
- 3) <%@ %> this jsp notation is used for _____.

B) Answer the following: (Any Two Out Of Four) (06)

- 1) Explain JSP architecture.
- 2) Explain Java Bean Packages.
- 3) Explain page directive in JSP
- 4) How does servlet Filter works?

C) Answer the following: (Any One Out Of Two) (05)

- 1) Explain error handling in JSP.

- 2) Explain working session with JSP.

Q – 4 :

A) Answer followings: (Only Three) (03)

- 1) _____ invented hibernate framework.
- 2) ORM stands for _____.
- 3) EJB stands for _____.

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 automation? Explain it.

C) Answer the following: (Any One Out Of Two) (05)

- 1) Explain implementation of MVC architecture.
- 2) Explain inheritance annotations.

Q – 5 :

A) Answer followings: (Only Three) (03)

- 1) What is spring framework?
- 2) OXM stand for _____.
- 3) AOP stands for _____.

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.

C) Answer the following: (Any One Out Of Two) (05)

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