

B.C.A Semester - 5 (Remedial) (CBCS) Examination
March/April-2024 (Old Course)
CS-25 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. (04)
- (1) DSN stands for _____.
 - (2) ODBC stands for _____.
 - (3) JDBC stands for _____.
 - (4) J2EE stands for _____.
- Que-1(B) Answer the following question. (Any One) (02)
- (1) Explain N-Tier architecture
 - (2) Explain commit and rollback method of connection interface.
- Que-1(C) Answer the following question. (Any One) (03)
- (1) Explain thin and Thick client.
 - (2) Explain JDBC Architecture.
- Que-1(D) Answer the following question. (Any one) (05)
- (1) Explain various J2EE APIs in brief.
 - (2) Explain Database Metadata interface.
- Que-2(A) Answer the following questions. (04)
- (1) RMI stands for _____.
 - (2) URL stands for _____
 - (3) API stands for _____
 - (4) What is servlet?
- Que-2(B) Answer the following question. (Any One) (02)
- (1) What is Hidden Form Fields?
 - (2) What is Skeleton class of RMI?
- Que-2(C) Answer the following question. (Any One) (03)
- (1) Explain HttpSession.
 - (2) Explain Servlet Life cycle.
- Que-2(D) Answer the following question. (Any one) (05)
- (1) Explain handling the servlet Requests and Response.
 - (2) Explain Servlet with JDBC.
- Que-3(A) Answer the following questions. (04)
- (1) Which tag in the JSP is used to define the error page?
 - (2) List out JSP scopes.
 - (3) What is Java Bean?
 - (4) List out JSP scripting elements.
- Que-3(B) Answer the following question. (Any One) (02)
- (1) Explain Directive elements of JSP.
 - (2) List out Action elements of JSP.

- Que-3(C) Answer the following question. (Any One) (03)
- (1) Explain Page Directive in JSP.
 - (2) Explain JSP architecture.
- Que-3(D) Answer the following question. (Any one) (05)
- (1) Explain working with session in JSP.
 - (2) Explain working with cookie in JSP.
- Que-4(A) Answer the following questions. (04)
- (1) Hibernate.cfg.xml is a _____ file.
 - (2) MVC stands for _____.
 - (3) ORM stands for _____.
 - (4) EJB stands for _____.
- Que-4(B) Answer the following question. (Any one) (02)
- (1) What is Entity bean?
 - (2) List-out type of EJB.
- Que-4(C) Answer the following question. (Any One) (03)
- (1) Explain message driven beans.
 - (2) What is annotation? Explain it.
- Que-4(D) Answer the following question. (Any one) (05)
- (1) Explain Hibernate Sessions.
 - (2) Explain Implementation of MVC architecture.
- Que-5(A) Answer the following questions. (04)
- (1) What are the components of Struts Framework?
 - (2) _____ file is used by controller to get mapping information for request routing.
 - (3) What is Spring Framework?
 - (4) What is Struts?
- Que-5(B) Answer the following question. (Any One) (02)
- (1) What is Inversion of Control in Spring framework?
 - (2) What is spring Context definition?
- Que-5(C) Answer the following question. (Any One) (03)
- (1) Explain benefits of Spring Framework.
 - (2) Explain Processing Requests with Action Objects.
- Que-5(D) Answer the following question. (Any one) (05)
- (1) Explain Spring Architecture.
 - (2) Explain Struts flow of control.
