

B.Sc.(IT) Semester - 5 (Remedial) (CBCS) Examination**March/April-2024 (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) J2EE stands for _____.
 - (2) ODBC stands for _____.
 - (3) JDBC stands for _____.
- Que-1(B) Answer the following questions (ANY TWO) (06)
- (1) What is Container? Explain types of J2EE Containers.
 - (2) Explain various J2EE APIs in brief.
 - (3) Explain different types of JDBC drivers.
 - (4) Explain N-Tier architecture.
- Que-1(C) Answer the following questions (ANY ONE) (05)
- (1) Explain ResultSetMetaData.
 - (2) Explain JDBC architecture.
- Que-2(A) Answer the following questions (03)
- (1) What is servlet?
 - (2) What is RMI?
 - (3) To define remote interface in RMI, we should extend _____ class.
- Que-2(B) Answer the following questions (ANY TWO) (06)
- (1) Explain Architecture of a Servlet.
 - (2) Explain Stub of RMI.
 - (3) Explain Skeleton of RMI.
 - (4) Explain Servlet Life cycle.
- Que-2(C) Answer the following questions (ANY ONE) (05)
- (1) Explain Servlet Request with Example.
 - (2) Explain Session Tracking Approaches.
- Que-3(A) Answer the following questions (03)
- (1) List-out JSP scripting elements.
 - (2) What is Java Bean?
 - (3) What is scope in JSP?
- Que-3(B) Answer the following questions (ANY TWO) (06)
- (1) Explain life cycle of JSP.
 - (2) Explain working with Cookies in JSP.
 - (3) Explain JavaBean properties.
 - (4) Explain JavaBean methods.
- Que-3(C) Answer the following questions (ANY ONE) (05)
- (1) Explain working with Session in JSP.
 - (2) Explain page directive with example in JSP.
- Que-4(A) Answer the following questions (03)
- (1) Define MVC.
 - (2) Define Session Beans.
 - (3) Define Entity Beans.

- Que-4(B) Answer the following questions (ANY TWO) (06)
- (1) Explain Hibernate Configuration file & mapping file.
 - (2) What is annotation? Explain it.
 - (3) Explain Session EJB.
 - (4) Explain message driven beans.
- Que-4(C) Answer the following questions (ANY ONE) (05)
- (1) Discuss implementation of MVC in Web application.
 - (2) Explain Hibernate Sessions.
- Que-5(A) Answer the following questions (03)
- (1) Is Struts is ORM based framework? YES or NO
 - (2) What is AOP in spring framework?
 - (3) What are the components of Struts Framework?
- Que-5(B) Answer the following questions (ANY TWO) (06)
- (1) Explain advantages of Struts framework.
 - (2) Explain IoC in Spring framework.
 - (3) Explain Spring Architecture.
 - (4) Explain Handling Request Parameters with FormBeans.
- Que-5(C) Answer the following questions (ANY ONE) (05)
- (1) Explain Struts framework flow of control.
 - (2) Explain Processing Requests with Action Objects.
