

B.C.A 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) JTA stands for _____.
 - (2) JDBC stands for _____.
 - (3) API stands for _____.
- Que-1(B) Answer the following question. (Any Two) (06)
- (1) Explain database Metadata with suitable example.
 - (2) Explain Prepared statement with suitable example.
 - (3) Explain Tomcat as web container.
 - (4) What is callable statement? Explain it.
- Que-1(C) Answer the following question. (Any one) (05)
- (1) Explain various J2EE APIs in brief.
 - (2) Explain JDBC Architecture.
- Que-2(A) Answer the following questions. (03)
- (1) RMI stands for _____.
 - (2) Write down the use of skeleton.
 - (3) What is stub?
- Que-2(B) Answer the following question. (Any Two) (06)
- (1) What is servlet Collaboration?
 - (2) Explain getSession() and addCookie().
 - (3) Explain Hidden Form Fields.
 - (4) Explain URL Rewriting.
- Que-2(C) Answer the following question. (Any one) (05)
- (1) Explain Servlet Life Cycle.
 - (2) Explain RMI Architecture.
- Que-3(A) Answer the following questions. (03)
- (1) JSP stands for _____.
 - (2) List out JSP scripting element.
 - (3) List out Directive element.
- Que-3(B) Answer the following question. (Any Two) (06)
- (1) Explain JSP Scope.
 - (2) Explain Include Action and Forward Action.
 - (3) Explain Any three JavaBeans Methods.
 - (4) Explain Scripting Elements.
- Que-3(C) Answer the following question. (Any one) (05)
- (1) Explain JSP Architecture in detail.
 - (2) Explain session working in JSP.

- Que-4(A) Answer the following questions. (03)
- (1) MVC stands for _____.
 - (2) List out types of EJB.
 - (3) EJB stands for _____.
- Que-4(B) Answer the following question. (Any Two) (06)
- (1) Explain Timer.
 - (2) Explain features of hibernate.
 - (3) Explain Annotation.
 - (4) Explain Hibernate Mapping File.
- Que-4(C) Answer the following question. (Any one) (05)
- (1) Explain MVC Architecture.
 - (2) Explain Hibernate Architecture.
- Que-5(A) Answer the following questions. (03)
- (1) IOC stands for _____.
 - (2) What is spring framework?
 - (3) AOP stands for _____.
- Que-5(B) Answer the following question. (Any Two) (06)
- (1) Explain Struts in detail.
 - (2) What are the benefits of spring framework.
 - (3) Explain Action objects.
 - (4) Explain Spring Context.
- Que-5(C) Answer the following question. (Any one) (05)
- (1) Explain flow of control of Struts.
 - (2) Explain spring architecture.
