

B.C.A Semester - 5 (CBCS) Examination**March/April– 2019****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) JMS stands for _____
- (2) JDBC stands for _____
- (3) EJB stands for _____
- (4) JNDI stands for _____

Que-1(B) Answer any one question. (02)

- (1) Explain two-tier architecture
- (2) List out J2EE APIs.

Que-1(C) Answer any one question. (03)

- (1) Explain type of web container.
- (2) Explain database metadata.

Que-1(D) Answer any one question. (05)

- (1) Explain JDBC driver types.
- (2) Explain enterprise architecture.

Que-2(A) Answer the following questions. (04)

- (1) RMI stands for _____
- (2) _____ is the client side proxy for the remote object.
- (3) _____ method returns current session.
- (4) _____ is the server side proxy for the remote object.

Que-2(B) Answer any one question. (02)

- (1) Explain HttpServlet class.
- (2) Explain use of hidden form field in session tracking.

Que-2(C) Answer any one question. (03)

- (1) Explain servlet collaboration.
- (2) Explain URL rewriting and cookies.

Que-2(D) Answer any one question. (05)

- (1) Explain servlet architecture.
- (2) Explain servlet life cycle.

Que-3(A) Answer the following questions. (04)

- (1) JSP stands for _____
- (2) _____ invoke when container loads a JSP.
- (3) _____ directive used to include a file during the translation phase.
- (4) _____ action used to forward requester to new page.

Que-3(B) Answer any one question. (02)

- (1) What is JavaBean ?
- (2) Explain JSP implicit object.

- Que-3(C) Answer any one question. (03)**
(1) Explain JavaBean properties.
(2) Explain scripting elements in JSP.
- Que-3(D) Answer any one question. (05)**
(1) Explain session and cookies in JSP.
(2) Explain JSP life cycle.
- Que-4(A) Answer the following questions. (04)**
(1) A session EJB is a _____ object.
(2) MVC stands for _____.
(3) HQL stands for _____.
(4) _____ is an Object Relational Mapping solution for JAVA.
- Que-4(B) Answer any one question. (02)**
(1) What are the benefits of EJB ?
(2) What are types of EJB ?
- Que-4(C) Answer any one question. (03)**
(1) Explain disadvantages of hibernate.
(2) Explain features of hibernate.
- Que-4(D) Answer any one question. (05)**
(1) Explain hibernate architecture.
(2) Explain MVC architecture.
- Que-5(A) Answer the following questions. (04)**
(1) IoC stands for _____.
(2) POJO stands for _____.
(3) AOP stands for _____.
(4) EL stands for _____.
- Que-5(B) Answer any one question. (02)**
(1) What is spring framework definition?
(2) What is struts?
- Que-5(C) Answer any one question. (03)**
(1) Explain concept of IoC in spring.
(2) Explain concept of AOP in spring.
- Que-5(D) Answer any one question. (05)**
(1) Explain spring architecture.
(2) Explain MVC using request dispatcher.
