



**JV-003-0003507**

Seat No. \_\_\_\_\_

**B. C. A. (Sem. V) (CBCS) Examination**

**October – 2019**

**CS - 25 : Advance Java Programming (J2EE)**

**Faculty Code : 003**

**Subject Code : 0003507**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- 1 (a) Answer the following questions : 4
- (1) JNDI Stands for \_\_\_\_\_.
  - (2) What is JDBC ?
  - (3) Container provides communication platform between \_\_\_\_\_ and \_\_\_\_\_.
  - (4) \_\_\_\_\_ method is used to send precompiled query to the database.
- (b) Attempt any one out of two from the following : 2
- (1) Explain Callable Statement with example.
  - (2) Explain ResultSetMetaData.
- (c) Attempt any one out of two from the following : 3
- (1) Explain Prepared Statement.
  - (2) Explain JDBC Driver types.
- (d) Attempt any one out of two from the following : 5
- (1) Explain J2EE APIs.
  - (2) Explain Architecture of J2EE.
- 2 (a) Answer the following questions : 4
- (1) Give the full form of RMI.
  - (2) \_\_\_\_\_ is the server side proxy of the remote object.
  - (3) \_\_\_\_\_ method is used in URL rewriting.
  - (4) Which method returns current session ?
- (b) Attempt any one out of two from the following : 2
- (1) Explain Stub Class.
  - (2) Explain Servlet Collaboration.

- (c) Attempt any one out of two from the following : 3
- (1) Explain RMI architecture.
  - (2) Explain Servlet API.
- (d) Attempt any one out of two from the following : 5
- (1) Explain life cycle of servlet.
  - (2) Write a note on Session Tracking Approaches.
- 3 (a) Answer the following questions : 4
- (1) JSP Stands for \_\_\_\_\_.
  - (2) List out JSP Elements.
  - (3) What is use of taglib directive ?
  - (4) List out scope of the JSP objects.
- (b) Attempt any one out of two from the following: 2
- (1) Explain page Directive.
  - (2) Explain JavaBean Properties.
- (c) Attempt any one out of two from the following : 3
- (1) Explain Action Elements of JSP.
  - (2) Differentiate : JSP Vs Servlet.
- (d) Attempt any one out of two from the following : 5
- (1) Explain life cycle of JSP.
  - (2) Explain Scripting Elements of JSP.
- 4 (a) Answer the following questions : 4
- (1) What is EJB ?
  - (2) \_\_\_\_\_ is name of hibernate XML configuration file.
  - (3) \_\_\_\_\_ is the name of Hibernate's own query language.
  - (4) List out layers in Hibernate architecture.
- (b) Attempt any one out of two from the following : 2
- (1) Explain features of hibernate.
  - (2) Explain Hibernate Configuration file.
- (c) Attempt any one out of two from the following : 3
- (1) Explain types of EJB.
  - (2) Explain Hibernate Sessions.
- (d) Attempt any one out of two from the following : 5
- (1) Explain hibernate annotation.
  - (2) Explain in brief MVC architecture.

- 5 (a) Answer the following questions : 4
- (1) Write a full form of IoC.
  - (2) Write a full form of AOP.
  - (3) Write a full form of MVC.
  - (4) Action class in the struts application is used to handle \_\_\_\_\_.
- (b) Attempt any one out of two from the following : 2
- (1) What is Struts ?
  - (2) Explain IoC in Spring.
- (c) Attempt any one out of two from the following : 3
- (1) Explain Spring and MVC.
  - (2) Explain AOP.
- (d) Attempt any one out of two from the following : 5
- (1) Explain Struts flow of control.
  - (2) Explain Spring Architecture.
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