



RN-003-003507

Seat No. _____

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

February - 2019

CS - 25 : Advance Java Programming (J2EE)

Faculty Code : 003

Subject Code : 003507

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

[Total Marks : 70

- 1 (A) Give appropriate answers for the following questions : 4
- (1) JDBC-ODBC bridge is type _____ driver.
 - (2) Which packages contain the JDBC classes ?
 - (3) Which method is used to call stored procedure from the database?
 - (4) In 2 tier architecture with thin client Application, the _____ is only at the client tier.
- (B) Answer in brief : (Any One) 2
- (1) Explain 2-tier architecture in brief.
 - (2) Explain commit() and rollback() methods of connection interface.
- (C) Answer in detail : (Any One) 3
- (1) Explain data types in JDBC.
 - (2) Explain prepared statement with example segment.
- (D) Answer the following questions : (Any One) 5
- (1) What is metadata? Explain ResultSetMetaData interface with its methods.
 - (2) Write note on type-4 driver.

- 2** (A) Give appropriate answers for the following questions : **4**
- (1) Which of the rmic version generate only stub, not a skeleton.
 - (2) doGet() and doPost() methods are called via _____.
 - (3) Cookie were invented by _____.
 - (4) Write down the syntax of getSession() method.
- (B) Answer in brief : (Any One) **2**
- (1) Define task of stub and Skeleton.
 - (2) Explain forward() method of RequestDispatcher.
- (C) Answer in detail : (Any One) **3**
- (1) Explain RMI Architecture with its figure.
 - (2) How to read initialization parameter in servlet? Explain.
- (D) Answer the following questions : (Any One) **5**
- (1) What is servlet? Explain life cycle of servlet.
 - (2) How to track session? Explain session tracking using HttpSession interface with example.
- 3** (A) Give appropriate answers for the following questions : **4**
- (1) Which attributes of page directive are used to define error page?
 - (2) Which Scope is most restrictive scope in JSP?
 - (3) Write down syntax of <jsp:plugin>.
 - (4) A bean consist of _____, _____ and _____.
- (B) Answer in brief : (Any One) **2**
- (1) Explain setPropertyName() and getPropertyName() of java beans.
 - (2) Explain <jsp:useBean> tag.

- (C) Answer in detail : (Any One) 3
- (1) Explain page directive.
 - (2) Discuss any three implicit objects of JSP.
- (D) Answer the following questions : (Any One) 5
- (1) Explain including and forwarding from JSP page.
 - (2) Explain declaration and expression scripting elements of JSP with example segment.
- 4 (A) Give appropriate answers for the following questions : 4
- (1) ORM stands for _____.
 - (2) Give full form of EJB.
 - (3) POJO class object is also known as _____ object.
 - (4) Hibernate.cfg.xml is a _____ file.
- (B) Answer in brief : (Any One) 2
- (1) Write short note on entity bean.
 - (2) Explain advantages of EJB.
- (C) Answer in detail : (Any One) 3
- (1) Explain MVC architecture.
 - (2) Differentiate: Stateful Session bean V/s Stateless Session bean.
- (D) Answer the following questions : (Any One) 5
- (1) What is Hibernate? Write down advantage and disadvantage of hibernate.
 - (2) Write a hibernate application to demonstrate table per concrete class hierarchy inheritance.

- 5 (A) Give appropriate answers for the following questions : 4
- (1) Who is the developer of spring Framework?
 - (2) In Spring, Application context is _____.
 - (3) _____ is a set of joint point where advice should be run.
 - (4) The struts project was introduced in _____ by _____.
- (B) Answer in brief : (Any One) 2
- (1) What is Inversion of Control?
 - (2) How to process request in struts?
- (C) Answer in detail : (Any One) 3
- (1) Write down benefits of spring framework.
 - (2) Write down features of struts 2 framework.
- (D) Answer the following questions : (Any One) 5
- (1) Explain spring framework architecture with its figure.
 - (2) Explain AOP concept in detail.
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