



PAP-003-0003507

Seat No. 050812

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

October / November - 2018

CS - 25 : Advance Java Programming (J2EE)

(New Course)

Faculty Code : 003

Subject Code : 0003507

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

[Total Marks : 70

- 1 (a) Answer the following : 4
- ✓ (1) Give the full form of EIS.
 - ✓ (2) What is tomcat?
 - ✓ (3) What is thin client and thick client?
 - ✓ (4) What is container ?
- (b) Answer in brief : (any one) 2
- ✓ (1) Explain Resultset.
 - ✓ (2) Explain Callable and Prepared Statements.
- (c) Answer in detail : (any one) 3
- ✓ (1) Explain Resultset Meta Data and Database Meta Data.
 - ✓ (2) Explain types of JDBC Database Drivers.
- (d) Write a note on following Questions : (any one) 5
- ✓ (1) Explain N-Tier architecture.
 - ✓ (2) Explain JDBC Architecture.
- 2 (a) Answer the following : 4
- ✓ (1) Give the full form of RMI.
 - ✓ (2) Explain Servlet Context Interface.
 - ✓ (3) Explain URL Rewriting.
 - ✓ (4) Explain deployment descriptor.

- (b) Answer in brief : (any one) 2
- (1) Explain Request Dispatcher Interface.
 - (2) Explain Servlet Collaboration.
- (c) Answer in detail : (any one) 3
- (1) Explain Single Thread Model
 - ✓(2) Explain Cookies and Session.
- (d) Write a note on following Questions : (any one) 5
- (1) Explain Stub and Skeleton.
 - ✓(2) Explain Servlet Life Cycle.
- 3 (a) Answer the following : 4
- (1) <% = is used for _____
 - (2) Explain Scriptlet.
 - (3) What is the use of <jsp:include>.
 - ✓(4) Give the tag syntax of page directive element.
- (b) Answer in brief : (any one) 2
- (1) Explain JSP implicit objects.
 - ✓(2) Explain scope of JSP Variables.
- (c) Answer in detail : (any one) 3
- ✓(1) How can JSP handle the exceptions?
 - (2) Explain JSP Action elements.
- (d) Write a note on following Questions : (any one) 5
- (1) What is Java Beans? explain its properties.
 - ✓(2) Explain JSP life cycle.
- 4 (a) Answer the following : 4
- (1) Give the full form of HCQL.
 - (2) Explain Timer service.
 - ✓(3) List out the types of EJB.
 - (4) Give the full form of JPA.

- (b) Answer in brief : (any one) 2
- (1) Explain benefits of EJB.
 - (2) Explain Hibernate Mapping.
- (c) Answer in detail (any one) 3
- (1) Give the advantage and disadvantage of hibernate.
 - (2) Explain hibernate inheritance.
- (d) Write a note on following Questions: (any one) 5
- (1) Explain MVC Architecture.
 - (2) Explain Hibernate Architecture.
- 5 (a) Answer the following : 4
- (1) Struts 2 framework is used for _____
 - (2) Give the full form of POJO.
 - (3) Spring is a lightweight framework- true or false ?
 - (4) Give the fullform of IOC.
- (b) Answer in brief : (any one) 2
- (1) What is AOP?
 - (2) Explain Spring IoC Containers.
- (c) Answer in detail : (any one) 3
- (1) List out the Execution flow of Struts.
 - (2) Explain. Strut2 Request life cycle.
- (d) Write a note on following Questions : (any one) 5
- (1) Explain Spring Architecture.
 - (2) Explain Struts Flow Diagram.
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