



MCP-003-003507

Seat No. _____

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

May / June - 2018

CS - 25 : Advance Java Programming (J2EE)

(New Course)

Faculty Code : 003

Subject Code : 003507

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

[Total Marks : 70

1 Attempt the following : 20

- (1) Explain thin client and thick client.
- (2) What is GenericServlet class?
- (3) Explain doPut() and doGet().
- (4) Explain service().
- (5) What is Timer service?
- (6) What is Container?
- (7) How to set TIMEOUT period in HttpSession ?
- (8) Explain <param> Web.xml.
- (9) Give the list of Java API.
- (10) What is TYPE_SCROLL_SENSITIVE ?
- (11) Explain Statement interface.
- (12) Arrange RMI layers from top to bottom.
- (13) What is MVC2 ?
- (14) What is EIS ?
- (15) Explain setContentType().
- (16) Explain getCreationTime() of cookies.
- (17) Give any 4 jar files name of hibernate.
- (18) Explain stateless session bean.
- (19) Give advantages of EJB.
- (20) Explain Scriptlet.

2 (a) Attempt any three : 6

- (1) Explain Annotations and inheritance annotations.
- (2) Write a note on tomcat web container.
- (3) Explain Page Directive and Include Directive of JSP.
- (4) Explain Stub and Skeleton.
- (5) Write a short note on jsp v/s servlet.
- (6) Explain single thread model interface.

- (b) Attempt any **three** : **9**
- (1) Explain Cookie and Session.
 - (2) Explain JDBC API.
 - (3) Write a short note on Result set and ResultSetMeta Data.
 - (4) Write a note on EJB and its types.
 - (5) List out Types of Statement. Explain Prepared Statement with example.
 - (6) Explain Types of JDBC Driver.
- (c) Attempt any **two** : **10**
- (1) Write a program to count how many time the page is visited.
 - (2) Explain Struts Architecture and its benefits.
 - (3) Explain RMI Architecture.
 - (4) Explain Session tracking Approach.
 - (5) Explain Hibernate architecture and its features.
- 3** (a) Attempt any **three** : **6**
- (1) Write a note on J2EE APIs.
 - (2) Explain Elements of JSP.
 - (3) Explain Hibernate Mapping Files concept.
 - (4) Explain scope of JSP variables.
 - (5) Explain two-tier and three-tier architecture.
 - (6) Explain Deployment Descriptor.
- (b) Attempt any **three** : **9**
- (1) Explain include and forward action of JSP pages.
 - (2) List all implicit objects of JSP and explain any two in brief.
 - (3) Explain Hibernate session.
 - (4) Explain Servlet Exception Class.
 - (5) Write a note on ServletContext Interface.
 - (6) Write Spring IoC and AOP concept.
- (c) Attempt any **two** : **10**
- (1) Explain Taglib directive.
 - (2) Explain Struts Flow Diagram and Framework in detail.
 - (3) Explain Error Handling in JSP with example.
 - (4) Write MVC Framework in detail.
 - (5) Write Spring Framework Architecture and its benefits.