

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech. Summer 2018 - 19 Examination

Semester: 6**Subject Code: 03105380****Subject Name: Advanced Java Technology****Date: 09/05/2019****Time: 10:30am To 01:00pm****Total Marks: 60****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Objective Type Questions - (Fill in the blanks, one word answer, MCQ-not more than Five in case of MCQ) (All are compulsory) (Each of one mark) **(15)**

1. Which is the methods of generated Servlet?
 - a) `_jspInit()`
 - b) `_jspService()`
 - c) `_jspDestroy()`
 - d) All of the above
2. Which of the following Creates a Radio Button using JSF?
 - a) `h:outputLink`
 - b) `h:selectOneMenu`
 - c) `h:selectOneRadio`
 - d) None of the Above
3. Which services are provided to EJB components by the EJB container?
 - a) Transaction support
 - b) Persistence support
 - c) Naming support
 - d) All mentioned above
4. An RMI Server is responsible for _____
 - a) Creating an instance of the remote object
 - b) Exporting the remote object
 - c) Binding the instance of the remote object to the RMI registry
 - d) All mentioned above
5. Which is used to call the stored procedures and functions?

a) CallableStatement Interface	c) All the above
b) PreparedStatement Interface	d) None of the above
6. Sessions is a part of the SessionTracking and it is for maintaining the client state at _____ side.
7. The _____ package provides classes for networking in Java.
8. Who is responsible to create the object of servlet?
9. What are the difference types of JSP tags?
10. Describe ORM?
11. What is J2EE?
12. What is a servlet?
13. How to disable session in JSP?
14. How many types of Database drivers are there in JDBC?
15. What is default value of auto Flush Attribute in JSP page?

Q.2 Answer the following questions. (Attempt any three) **(15)**

- A) What is the difference between execute, execute Query, execute Update methods in JDBC?
- B) What is Request Dispatcher in Servlet?
- C) Explain the JSP core tag library
- D) Compare the AWT and Swing.

Q.3 A) List and explain various swing layouts and components with examples. **(07)**

- B) Write a web application using servlet to compute an area of a circle. Get the radius from the client. Write necessary web.xml file.** **(08)**

OR

- B) Write an RMI application where client sends empno and server returns corresponding salary by querying database.** **(08)**

Q.4 A) Explain the action tags used to access the JavaBeans from a JSP page with example. **(07)**

OR

- A.)Write a client-server program using TCP sockets to echo the message send by the client.** **(07)**
- B) Explain JSF life cycle.** **(08)**