

**S.NO: 22N1- PCS**

**Course Code: PGXD**

**A.D.M.COLLEGE FOR WOMEN, NAGAPATTINAM**

**(AUTONOMOUS)**

**M.Sc (Computer Science) Degree Examination**

**I Semester – November – 2022**

**CC IV – ADVANCED JAVA PROGRAMMING**

**Time: 3 hours**

**Maximum Marks: 75**

**Section –A**

**10X2=20**

Answer **ALL** the Questions

1. What is J2EE?
2. What do you mean by Syntactic Validation?
3. List out the components involved in RMI implementation?
4. What is Common Gateway Interface (CGI) programming?
5. JSP is simpler than Java Servlets – Justify with your answer.
6. Write about the usage of EJB in J2EE architecture.
7. List the 4 key strategies of Spring.
8. Define Component Scanning and Auto wiring in Springs.
9. What is the role of Dispatcher Servlet in Springs?
10. List any 4 Web view resolvers in Spring.

**Section -B**

**5X5=25**

Answer **ALL** the Questions

11. a) Write a note on Multi-tier architecture of J2EE

**(or)**

b) Differentiate Client side and Server side Session states.

12. a) Explain the concept of RMI

**(or)**

b) Discuss about the setting Cookies in Java Servlet with an Example.

13. a) Write note on different JSP tags.

**(or)**

b) Differentiate Stateful and Stateless Session Bean.

14. a) Explain the life cycle of a bean with neat diagram.

**(or)**

b) Explain the ways of creating discoverable beans.

15. a) Describe the method of configuring the Spring MVC.

**(or)**

b) How JSP Libraries are used in Spring Web Views.

**Section -C**

**3 X 10 = 30**

Answer any **THREE** Questions

16. Explain in detail about Model View Controller.
17. Explain the way of reading data from a client using HTTP Request Headers in Java Servlet.
18. Explain with examples the usage of 'if..else' statement and 'while' statement in JSP
19. Explain with neat diagram – the Spring Framework.
20. How can we define layouts in Spring Web views? Explain with example.

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