DECEMBER 2023 **P/ID 16310/PIT3H**

Time : Three hours Maximum : 80 marks

PART A — ($10 \times 2 = 20$ marks)

Answer any TEN questions.

1. Write the advantages of server-side programming.
2. What are the two types of servlets?
3. Design a HTML form for login page.
4. What is java Bean?
5. Write the functionality of customizer interface in java beans.
6. State the need of infobus.
7. Write the types of EJB.
8. Distinguish EJB and RMI.
9. State the need of RMI.
10. What is the usage of RMI over Inter –ORB protocol?
11. Define MVC.
12. List the applications of Java Messaging Services(JMS).

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions.

13. Discuss servlet lifecycle model with neat sketch.

14. Explain any one session tracking methods in servlet in detail.

15. Discuss how to create a JAR file in detail.

16. Write short notes on Bean Developer Kit.

17. Elaborate stateless session bean with an example.

18. Discuss stubs and skeletons with an example.

19. Elaborate the JSP scripting elements with an example.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Elaborate servlet chaining with an example.

21. Explain java bean properties in detail.

22. Elaborate perl control structures with an example.

23. Discuss the steps involved in writing the RMI program.

24. Elaborate the protocols used in Javamail in detail.

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