B.Sc. DEGREE END SEMESTER EXAMINATION OCTOBER/NOVEMBER 2018

SEMESTER –5: COMPUTER APPLICATION (CORE COURSE)

COURSE: **15U5CRCAP10: JAVA PROGRAMMING AND DYNAMIC WEBPAGE DESIGNING**

(Common for Regular 2016 admission & Supplementary 2015 admission)

Time: Three Hours   Max. Marks: 75

PART A

*Answer **all** questions. Each question carries **1** mark.*

1. What is meant by JVM?
2. What is connection pooling?
3. What is a finalize method?
4. Why java is said to be Dynamic.
5. Define Interface.
6. What are jPanel Controls?
7. What is Session Tracking?
8. What are the different Layout Managers in java?
9. Which are unchecked exceptions?
10. What do **'System.out'** refer to?   (1 x 10 = 10)

PART B

*Answer **any Eight**, each carries **2** marks*

11. Explain about Generating Dynamic Content.
12. Explain Method Overloading.
13. What are Custom Tag Attributes?
14. Differentiate 'throw' and 'throws' keywords.
15. Why java is said to be a Distributed Language?
16. Define connection pooling.
17. List different JSP Formatting Tags.
18. Differentiate between Servlet and CGI.
19. Define any three String functions with examples.
20. Which are the different Applications of TCP/IP protocol?   (2 x 8 = 16)

PART C

*Answer **any Five**, each carries **5** marks*

21. Explain the following:-
    a.   Interface   b.   Package
22. Explain Servlet Programming.

23. Write short note on the following:-

    a. Connection Pooling   b. Establishing Connection.

24. Explain the features of Java.

25. What is Runnable Interface in Java?

26. What are Layout managers? Explain in detail?

27. What are the different selection statements available in java?   (5 x 5 = 25)

PART D

*Answer **any Two**, each carries **12** marks*

28. Explain the following JSTL functions

    a) fn: contains   ( )

    b) fn: index of   ( )

    c) fn: length   ( )

    d) fn: substring ( )

29. Explain Event Handling in Java.

30. Explain Socket programming in java.

31. How function overloading and function overriding are implemented in java?

    Write a programme to illustrate.   (12 x 2 = 24)

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