

Reg. No.....

Name.....

B.Sc. DEGREE END SEMESTER EXAMINATION OCTOBER 2017**SEMESTER –5: COMPUTER APPLICATION (CORE COURSE)****COURSE: 15U5CRCAP10: JAVA PROGRAMMING AND DYNAMIC WEBPAGE DESIGNING***(For Regular 2015 admission)*

Time: Three Hours

Max. Marks: 75

PART AAnswer **all** questions. Each question carries **1** mark.

1. What is meant by JRE?
2. Define Instantiation.
3. What is a final method?
4. Define Dynamic Method Dispatch.
5. Define a package.
6. What are Swing Controls?
7. What is finalize keyword?
8. What are the different constants available for Border Layout?
9. Which are the different types of exceptions?
10. What do '**System.in**' refer to? (1 x 10 = 10)

PART BAnswer **any Eight**, each carries 2 marks

11. Explain the syntax of main() function in Java
12. Explain Constructor Overloading.
13. What is final variable, final method and final class?
14. Differentiate Final, Finally, Finalize keywords.
15. Why java is said to be a purely object oriented language?
16. Define connection pooling.
17. List different AWT controls?
18. Differentiate between doGet() and doPost() methods.
19. Define any three String functions with examples.
20. Which are the different XML tags? (2 x 8 = 16)

PART CAnswer **any Five** each carries 5 marks

21. What are the different JSTL functions?
22. Explain any one method to implement Multiple Inheritance in Java.
23. Explain Socket programming in java.
24. What are the different Event Listeners available in Java?

- 25. What are the different methods to implement multithreading in java?
- 26. Explain Applet programming and its life cycle.
- 27. What are the different control statements available in java? (5 x 5 = 25)

PART D

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

- 28. Explain the architecture of JSP. What are the advantages of JSP?.
- 29. Explain Delegation Event Model in Java.
- 30. Explain JDBC . What are the advantages of JDBC?
- 31. What are Layout managers, Explain in detail? (12 x 2 = 24)
