17P346 (Pages: 2) Name: ……………………..

Reg. No…………………….

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCSS-PG)

CC17P CSS3 C03 - OBJECT ORIENTED PROGRAMMING CONCEPTS

(Computer Science)

(2017 – Admission)

Time: Three Hours   Maximum: 36 Weightage

PART A

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

1. List out the different data types in java.

2. What is break statement? Give an example.

3. Define polymorphism. What are its various types?

4. What is the use of synchronized keyword in Java?

5. What is package? List out the built-in packages in Java.

6. Write the advantages of multithreading.

7. What are interfaces?

8. Define Swing and list its advantages over AWT components.

9. List out the drawing functions used in graphic class.

10. What are the components of JDBC? What is its use?

11. Briefly explain default constructor with an example.

12. What is meant by state diagram in UML?

(12 x 1 = 12 Weightage)

PART B

Answer any *six* questions. Each question carries 2 weightage.

13. Write a java code for reading the contents of a file.

14. Briefly explain the features of java.

15. Explain declaration of array variable. Describe dynamic initialization with an example.

16. Explain method overriding with the help of example.

17. Differentiate try-catch and throw statements.

18. Write a short note on how parameters are passed to applets.

19. Briefly note access control keywords.

20. Write a note on activity diagram with example.

21. List out and describe various event sources and their corresponding listeners.

(6 x 2 = 12 Weightage)

PART C

Answer any *three* questions. Each question carries 4 weightage.

22. Construct a class diagram for Library Management System.

23. Explain Exception Handling in detail with example.

24. Describe Delegation Event Model.

25. Explain parameter passing in java with suitable example.

26. Write AWT based java program to implement a basic calculator.

27. Briefly explain looping control statements with example.

(3 x 4 = 12 Weightage)

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