LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

THIRD SEMESTER – NOVEMBER 2018

16/17UCA3MC01– PROGRAMMING IN JAVA

Date: 31-10-2018   Dept. No. [   ]   Max. : 100 Marks

Time: 01:00-04:00

Part-A   **(10x2=20 Marks)**

Answer ALL questions

1. What is a variable? How shall we to declare a variable in java?

2. What are jump statements in java?

3. Distinguish between a class and an object.

4. Define method.

5. What is a Package?

6. Define Interface.

7. List the various states of 'Thread' in java.

8. What is synchronization?

9. What are Applets?

10. What is HTML?

Part-B   **(5x8=40 Marks)**

Answer ALL questions

11. a) Compare and contrast Java with C.

                (or)

   b) Explain Java Program structure.

12. a) Write about method overloading with example.

            (or)

   b) Write a java program to illustrate single inheritance.

13. a) Write about Wrapper classes with an example.

                (or)

 b) Explain about Package in java.

14. a) Write short notes on thread priority.

                (or)

   b) Briefly explain about stopping and Blocking a thread.

15. a) How will you add an Applet to HTML? Explain.

                (or)

b) Write a Applet program in java to print welcome message.

Part-C (2x20=40 Marks)
Answer any TWO questions

16 a) Discuss about operators in java.

 b) Explain about Method overriding with suitable example.

17. a)Discuss about implementing interface concept in java.

  b) Explain about life cycle of thread.

18 a) Briefly explain about Applet life-cycle.

b)Explain about visibility control in java.

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