LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – **COMPUTER SCIENCE**

SIXTH SEMESTER – **APRIL 2022**

16/17/18UCS6MC02 – PROGRAMMING IN JAVA

Date: 17-06-2022   Dept. No.   Max. : 100 Marks
Time: 01:00 PM - 04:00 PM

PART – A   **(10x 2 = 20 Marks)**

Q. No Answer ALL the Questions
1   What is JVM? Mention the use of it.
2   Define Constructor.

3   What is polymorphism?
4   What is inheritance?
5   What is package?
6   What is interface in java?
7   What is multithreading? Mention the use of it.
8   Differentiate sleep() and stop() method s in thread.
9   What is Applet? Mention the use of it.
10   Write the various states of applet life cycle.

PART – B   **(5 x 8 = 40 Marks)**

Answer ALL the Questions
11   a)Explain in detail about Input and Output stream classes.
                              [OR]
     b) Write a java program to perform all basic arithmetic operation .

12   a)Explain about class with suitable example
                              [OR]
     b)Write short notes on method overriding.

13   a) b)Write a java applet program to display human face.
                              [OR]
     b)Explain about applet life cycle with neat diagram.

14   a)Write short notes on Exception handling.
                              [OR]
     b)Write a java program to handle Arithmetic exception.

15   a)Write the procedure to execute the applet program.
                              [OR]
     b) Write applet program to create login form.

PART – C   **(2 x 20 = 40 Marks)**

Answer any TWO Questions
16. a). Explain the object oriented programming concepts in detail.   (10 Marks)

     b) Explain in detail about abstract class with an example.   (10 Marks)
17. a)Explain about method overloading with example.   (10 Marks)

     b) How to create and import a package? Explain with example.   (10 Marks)

18. a) Explain about thread life cycle with neat diagram.   (10 marks)

     b)Write a java program to perform multithreading with 3 different class. (10 marks)

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