2019

MCA

4th Semester Examination

Java Programming Lab

PAPER - MCA-407

Full Marks: 100

Time: 3 hrs

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their

Own words as far as practicable.

Illustrate the answers wherever necessary.

Answer any TWO question

35 X 2

- Write a Java Program to define a class, define instance methods for setting and retrieving value of instance variables and instantiate its object.
- 2. Write a Java Program to demonstrate the use of sub class.
- Write a Java Program demonstrate the use of nested class.
- 4. Write a Java Program to define a class, define instance methods and overload them and
- 5. Write a Java Progran to implement array of objects.

use them for dynamic method invocation.

- 6. Write a Java Program to implement Vector class and its methods.
- 7. Write a Java Program to implement Wrapper classes and their methods.
- 8. Write a Java Program to practice using String class and its methods.
- 9. Write a Java Program to practice using String Buffer class and its methods.
- 10. Write a Java Program to define a class, describe its constructor, overload the Constructors and instantiate its object.
 - 11. Write a Java Program to implement inheritance and demonstrate the use of method overriding.

C/19/MCA/4/SEM/MCA-407/16

12. Write a Java Program to implement multilevel inheritance by applying various access
controls to its data members and methods.

- 13. Write a program to demonstrate the use of implementing interfaces.
- 14. Write a program to demonstrate the use of extending interfaces.
- 15. Write a Java program to implement the concept of importing classes from user defined package by creating packages.
- 16. Write a program to implement the concept of threading by extending Thread Class.
- 17. Write a program to implement the concept of Exception Handling by creating user defined exceptions.
- 18. Write a program using Applet to display a message in the Applet.
- 19. Write a program to implement the concept of threading by implementing Runnable Interface.
- 20. Write a program to implement the concept of Exception Handling using predefind exception.

Viva-voce: 20

PNB:10