POPO COMEME

| | | SIMEINIS SOLIEMIS | |
|-------|-----|---|----------|
| USN | | 16/17N | ACA32 |
| | | Third Semester MCA Degree Examination, Dec.2018/Jan.2019 |) |
| | | Java Programming | |
| Tin | 10. | 3 hrs. | l.a. 00 |
| 1 111 | 10. | 3 hrs. Max. Marl | KS: 80 |
| | | Note: Answer FIVE full questions, choosing ONE full question from each module. | • |
| | | Module-1 | |
| 1 | a. | | 6 Marks) |
| | b. | | 6 Marks) |
| | c. | | 4 Marks) |
| | | | |
| 2 | a. | OR Explain the left shift and right shift operators. (0) | 4 Mardra |
| 2 | | | 4 Marks) |
| | • | | 6 Marks) |
| | c. | **** | |
| | | (0) | 6 Marks) |
| | | | |
| 3 | 0 | Module-2 Explain about static variable static method and static blade with switch leaves and | |
| 3 | a. | Explain about static variable, static method and static block, with suitable example. | 6 Marks) |
| | b. | Explain about method overloading and constructor overloading, with suitable program | |
| | | (0) | 6 Marks) |
| | c. | What is varargs? What are the restrictions of varargs? (04) | 4 Marks) |
| | | | |
| 4 | a. | How Super class constructors and members are called in Java? (00 | 6 Marks) |
| • | b. | Explain the following: |) marks) |
| · | | | Marks) |
| | | | |
| | | Module-3 | |
| 5 | a. | | 6 Marks) |
| | b. | | 6 Marks) |
| | C. | what do you mean by Static import: | 4 Marks) |
| | | OR | |
| 6 | a. | What is an Exception? Give the general structure of an exception handling mechanism | m. How |
| | | | 8 Marks) |
| | b. | Explain how to create your own exceptions. Give an example. (08) | 8 Marks) |
| | | Madala 4 | |
| 7 | a. | Module-4 What is Synchronization? Explain how inter thread communication can be achieved. | ieved in |
| , | u. | | Marks) |
| | b. | | 6 Marks) |

OR

What is Enumeration? Explain values () and valueOf() methods with example.

Explain the following:

ii) Autoboxing and Autounboxing. i) Type Wrappers

(08 Marks)

Module-5

What are Applets? Explain the life cycle of an Applets using an example program. (08 Marks)

Write a Java Program which uses DatagramSocket to demonstrate client - server (08 Marks) communication.

OR

Explain the following: 10

ii) Collection Interfaces. i) URLConnection

(08 Marks)

b. Explain ArrayList class and LinkedList class, with suitable example.

(08 Marks)