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10MCA33

Third Semester MCA Degree Examination, Dec. 2016/Jan. 2017
Programming with JAVA

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. What is Java? Explain features of Java. (10 Marks)
b. Explain the concept "object as parameters" and "returning objects" with program. (10 Marks)
- 2 a. Explain methods which are used in scanner class with syntax. Explain how do you read data from the file using scanner class. (10 Marks)
b. Write a Java program to demonstrate Arraylist class using built in methods. (10 Marks)
- 3 a. Explain Abstract class with syntax and also write interesting point to remember on abstract class. (10 Marks)
b. Explain the visibility of class members with Java code. (10 Marks)
- 4 a. What are exceptions? Explain throw and throws clause with program. (10 Marks)
b. Define multithreading. Explain thread priorities with program. (10 Marks)
- 5 a. Define synchronization. Write program to demonstrate suspending, resuming and stopping threads. (10 Marks)
b. Define generic class. Generate a program to demonstrate generic class with two parameters. (10 Marks)
- 6 a. Explain string comparison methods with syntax and example. (10 Marks)
b. Generate small programs to demonstrate append(), insert(), replace(), reverse() and delete() methods of class string buffer. (10 Marks)
- 7 a. Explain methods and class LinkedList. Generate a program to demonstrate queue using LinkedList class methods. (10 Marks)
b. Write short note on DatagramSocket and DatagramPacket. (10 Marks)
- 8 a. Explain any 10 commonly used event listener interfaces. (10 Marks)
b. Write short notes on any two :
i) Print write class
ii) Instance of operator
iii) Dynamic method dispatch
iv) Final. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.