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10MCA33

**Third Semester MCA Degree Examination, Dec.2015/Jan.2016**

**Programming with JAVA**

Time: 3 hrs.

Max. Marks:100

**Note: Answer any FIVE full questions.**

- 1 a. Explain iteration statements with syntax and examples. (12 Marks)  
b. Explain Java buzzwords. (08 Marks)
- 2 a. Explain constructor overloading and method overloading with examples. (10 Marks)  
b. Explain static with static variable, static method and static block with examples. (10 Marks)
- 3 a. Explain super with examples. (10 Marks)  
b. Explain exception handlers try, catch, throw, throws finally with examples. (10 Marks)
- 4 a. Explain java thread model and thread priorities. (10 Marks)  
b. What are byte and character streams? Explain FileInputStream and FileOutputStream with examples. (10 Marks)
- 5 a. What are generics? Explain generics uses with simple generics example. (10 Marks)  
b. What are string and string Buffer? Explain character extraction methods in string. (10 Marks)
- 6 a. Explain list interface methods. (10 Marks)  
b. Explain TreeSet class and its constructors with examples. (10 Marks)
- 7 a. Explain TCP/IP Client and Server Sockets constructors and methods. (10 Marks)  
b. What are Datagram Socket and Datagram packet? Explain Datagram socket methods. (10 Marks)
- 8 a. Explain applet skeleton methods. (05 Marks)  
b. Explain HTML Applet tag attributes. (05 Marks)  
c. Explain two key swing features and MVC connection of swing. (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.