



**Code: 9F00305**

**MCA III Semester Supplementary Examinations May 2018**

**JAVA PROGRAMMING**

(For 2011 (LC), 2012, 2013, 2014, 2015 & 2016 admitted batches only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) Differentiate type conversion and type casting with examples.  
(b) Discuss about method overriding and overloading with examples.
- 2 List and explain different parameter passing techniques in detail with example programs.
- 3 (a) Explain about anonymous and static inner classes with an example.  
(b) Define package. Explain how to import the packages with suitable example.
- 4 (a) Write a simple program to detect the duplicates using "set".  
(b) Write about: (i) String tokenizer. (ii) Collection interface.
- 5 (a) What are the different attributes present in internet socket? Explain them in detail.  
(b) Discuss in detail about types of streams in java.
- 6 (a) Explain with a suitable example program the creation of user defined exceptions.  
(b) Write a program inter thread communication for inter thread communication.
- 7 (a) 'Swing has more flexible components compared to AWT'. Write your comment and justify your answer.  
(b) Give brief description about the MVC architecture.
- 8 (a) Distinguish between applet programming and application programming.  
(b) Explain how to pass the parameters to an applet with an example program.

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