APPLICATIONS DEVELOPER - JAVA
Selection Process I.D. #
7632/0321
EXAMINATION PLAN

I.   WRITTEN EXAMINATION
Multiple-choice - 50 items
Weight = 60%
Pass = 70% or better
Time Limit = 2 hours

CONTENT AREA		# OF ITEMS	PERCENTAGE
1.	Graphical User Interfaces	4	8
2.	Relational Database Concepts and Structures	3	6
3.	Standard Query Language (SQL)	3	6
4.	Object Oriented Java Programming	28	56
5.	Java Database Connectivity (JDBC)	4	8
6.	N-Tier Web Application Development	8	16
	TOTAL	50	100.0%

REFERENCE SOURCES:
Basham, Bryan, Kathy Sierra, and Bert Bates. *Head First Servlets and JSP*. Sebastopol, CA: O'Reilly Media,
       2008. 54+. Print.
Bloch, Joshua. "Chapter 4." *Effective Java[TM], Second Edition*. Upper Saddle River, etc.: Addison-Wesley,
       2008. 68. Print.
Browett, Richard, Jason Diamond, and John Griffin. "Chapters 3 & 7." *Professional Java Server Programming:
       J2EE Edition*. By Subrahmanyam Allamaraju and Karl Avedal. Birmingham, UK: Wrox, 2000. 112. Print.
Cavaness, Chuck. "Chapter 3." *Programming Jakarta Struts*. Sebastopol, CA: O'Reilly, 2004. 42-43. Print.
Durell, William. "Chapter 3." *Data Administration – A Practical Guide to Successful Data Management*. New
       York: McGraw-Hill, 1985. 99-100. Print.
"Java.sql Interface Prepared Statement." Oracle, 2003. Web. 23 May 2013. <http://docs.oracle.com>.
Keeton, Brian, Chuck Cavaness, and Jeff Friesen. *Special Edition Using Java 2 Standard Edition*. Indianapolis,
       IN: Que, 2001. Print.
Ladd, Eric, and Jim O'Donnell. "Chapter 3, 7, & 38." *Using HTML 4, XML, and Java 1.2*. Platinum Ed.
       Indianapolis, IN: Que, 1999. 119+. Print.
Martin, James. "Chapter 9." *Principles of Data-base Management*. Englewood Cliffs, NJ: Prentice-Hall, 1976.
       96. Print.
Niemeyer, Patrick, and Jonathan Knudsen. *Learning Java*. Second Ed. Sebastopol: O'Reilly, 2005. 42+. Print.
Pree, Wolfgang. *Design Patterns for Object-oriented Software Development*. Wokingham, England: Addison-
       Wesley Pub., 1995. Print.
"SQL Tutorial." *SQL Tutorial*. N.p., 1999. Web. 23 May 2013. <http://www.w3schools.com/SQl/default.asp>.

This examination consists of 50 multiple-choice questions, all equally weighted.

II.   QUALIFICATIONS APPRAISAL BOARD (QAB):
Weight = 40%
Pass = 70% or better

The QAB is an oral board examination. Unlike a job interview, the QAB is very structured with multiple board
members taking turns asking applicants a set number of questions. The same questions are asked of each
applicant participating in the QAB for the open position. Since this is an examination, applicants are not
allowed to ask clarifying questions of the panel members.