

# Contents

	<b>Forward</b>	<b>xvii</b>
	<b>Preface</b>	<b>xix</b>
<b>Chapter 1:</b>	<b>IBM DB2 9 Certification</b> . . . . .	<b>1</b>
	DB2 9 Certification Roles . . . . .	1
	The Certification Process. . . . .	16
<b>Chapter 2:</b>	<b>Server Management</b> . . . . .	<b>37</b>
	Working with Instances . . . . .	38
	Configuring the DB2 System Environment. . . . .	48
	Configuring Instances and Databases . . . . .	54
	Configuring Communications . . . . .	88
	DB2 Discovery. . . . .	97
	Taking Control of a Server. . . . .	102
	Using the Task Center . . . . .	106
	Automatic Maintenance. . . . .	111
	Utility Throttling . . . . .	114
	Self-Tuning Memory Manager . . . . .	117
	Problem Determination . . . . .	119
	Practice Questions . . . . .	130
	Answers . . . . .	140
<b>Chapter 3:</b>	<b>Data Placement</b> . . . . .	<b>155</b>
	Servers, Instances, and Databases . . . . .	156
	Creating a DB2 9 Database . . . . .	156
	Table Spaces. . . . .	170
	Schemas . . . . .	191
	Range Clustering and Range Partitioning . . . . .	196
	Working with XML Data . . . . .	202
	Data Row Compression . . . . .	213
	Practice Questions . . . . .	220
	Answers . . . . .	229

<b>Chapter 4:</b>	<b>Databases Access</b> .....	<b>243</b>
	Tables .....	244
	Constraints .....	245
	Creating Tables and Defining Constraints .....	273
	Views .....	282
	Indexes .....	289
	A Word About the System Catalog .....	299
	DB2 9's Comprehensive Tool Set .....	300
	Practice Questions .....	327
	Answers .....	337
<b>Chapter 5:</b>	<b>Analyzing DB2 Activity</b> .....	<b>347</b>
	The Database System Monitor .....	348
	The Health Monitor and the Health Center .....	381
	Monitoring SQL with the Explain Facility .....	386
	Other Troubleshooting Tools .....	408
	Practice Questions .....	417
	Answers .....	423
<b>Chapter 6:</b>	<b>DB2 Utilities</b> .....	<b>433</b>
	DB2'S Data Movement Utilities and the File Formats They Support ..	434
	Maintenance Utilities .....	495
	Other Utilities .....	514
	Practice Questions .....	525
	Answers .....	531
<b>Chapter 7:</b>	<b>High Availability</b> .....	<b>537</b>
	Transactions .....	538
	Transaction Logging .....	542
	Database Recovery Concepts .....	551
	Performing a Crash Recovery Operation .....	557
	Backup and Recovery .....	561
	Backing Up a Database with Split Mirroring .....	587
	High Availability Disaster Recovery (HADR) .....	590
	Practice Questions .....	601
	Answers .....	609

<i>Chapter 8:</i>	<b>Security</b> .....	<b>621</b>
	Controlling Database Access .....	622
	Authentication .....	622
	Authorities and Privileges .....	628
	Granting Authorities and Privileges .....	652
	Authorities and Privileges Needed to Perform Common Tasks .....	673
	Securing Data with Label-Based Access Control (LBAC) .....	675
	Practice Questions .....	694
	Answers .....	699
 <i>Appendix A</i>	 <b>DB2 9 for Linux, UNIX, and Windows Database Administration Exam (Exam 731) Objectives</b> .....	 <b>707</b>
 <i>Appendix B</i>	 <b>Sample Test</b> .....	 <b>711</b>