**Exam1Review**

Lesson 1 Introduction:

Slides: ZERO

Lesson 1 Spring:

Slides: 21-26

Lesson 2 ORM

Slides: 5-7, 9-11, 16-17, 19-23

Lesson 2 Basic Mapping

Slides: 2-9, 16-23

Lesson 3 Associations

Slides: 2, 5-8, 14-17, 20-26

Lesson 4 JPQL Fetching

Slides: 2-6, 16-18

Lesson 4 Concurrency

Slides: 2-8

Lesson 5 Performance

Slides: 2-20, 22-25

**EXAM 1 QUESTIONS**

1 [15] T/F - 5 items on a “theme”

2 [15] Implement a Query; Explain a Fetch strategy

3 [15] Describe in detail with concrete details

4 [20] Implement/annotate domain objects given UML diagram & ERD diagram

5 [15] Describe in detail with concrete examples

6 [15] Implement with explanation a JPQL Query based on N-Tier architecture & design patterns

**Main** **Technology Areas**: ORM Table & Association Mapping, Transactions, JPQL Query,

Performance [Fetching & Caching], Impedance Mismatch

NOTE: Implementation – related questions [2, 4, and 6] will be based on the Class Domain models. Lesson 3 - Slide 3, Slide 4