My Name: _ Peter Perfect My Class Login: cs186-__ __ __ 2. TID Status LastLSN Ι. **Basics** 1. <u>C</u> 2. <u>B</u> 3. <u>E</u> 4. <u>A</u> Running 70 Running 80 5. <u>H</u> 6. <u>F</u> 7. <u>I</u> PID recLSN 70 3 80 II. Concurrency 1. **√** a □ b □d **V**e | | f LastLSN TID Status 3. 2. 1 140 **Aborting** 2 Committing 150 PID recLSN 70 3 80 3. 🗸 a □ b С \Box d $\square \varnothing$ 110 4. 4. LSN Record prevLSN 160 CLR: T1 LSN 110 undoNextLSN: 70 140 170 CLR: T1 LSN 70 undoNextLSN: null 160 5. 6. \bigcirc T 5. F \bigcirc T III. Multi granularity Locking 6. \bigcirc a \bigcirc c 1. T1: IX(Y) T2: IS(Y) T3: <u>IS(Y)</u> T4: <u>IX(Y)</u> V. Two Phase Commit 2. T1:IX(B)X(B_3)T3:∅ 1. □ a **✓** b Пс T4: IX(B) ∇ d \Box e ∇ f \Box Ø 3. T F 2. □ a **✓** b □ Ø IV. ARIES Recovery 3. Circle all that apply 1. () a \bigcirc b a) (PREPARE) COMMIT (ABORT b) COMMIT ABORT END \bigcirc d \bigcirc e

