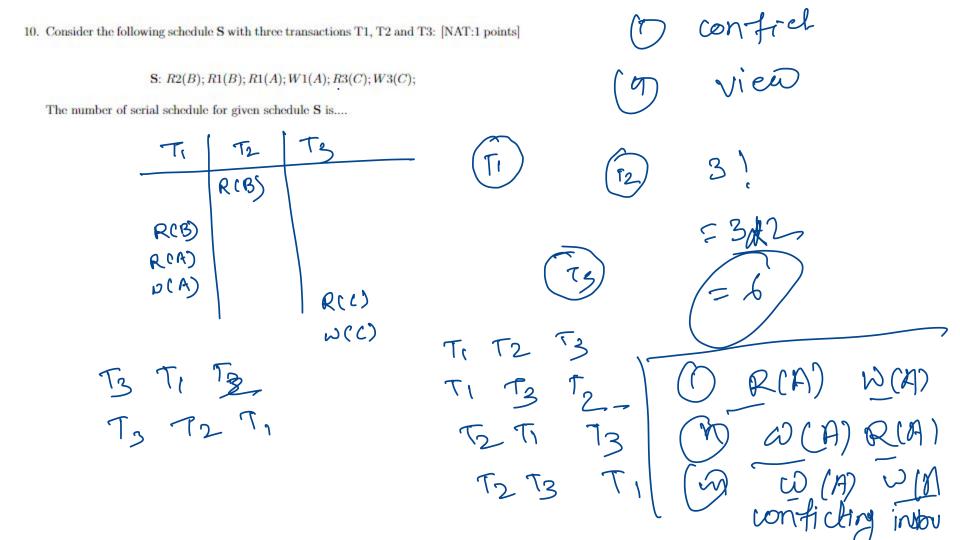
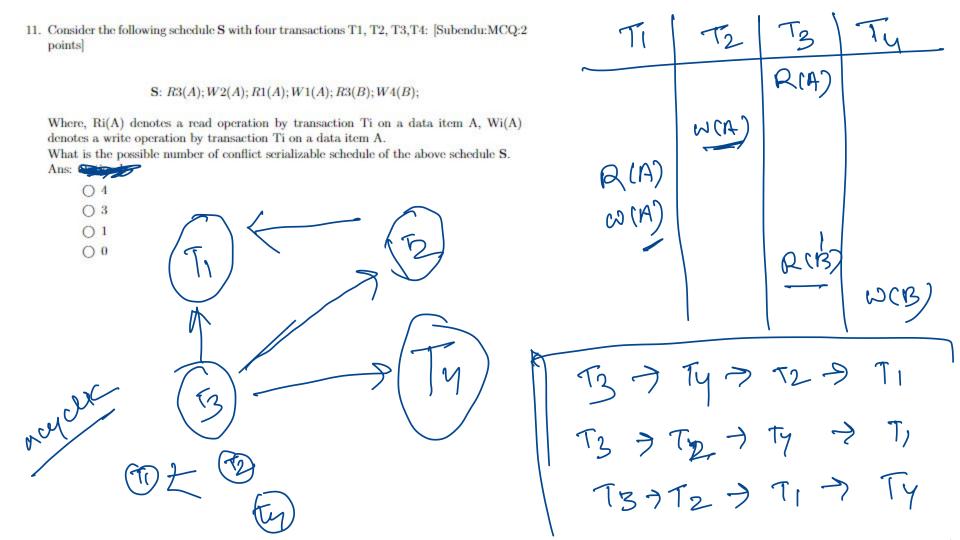
Week 10 - 9-5 types 34 mostron + serial school
1-3 confid
1-0 cocking/ fine

initral

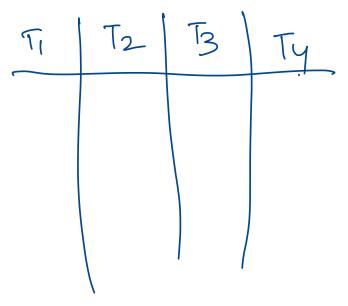
(M) M(A) - R(M) paison

(M) Final write should be the same a is blind write consit





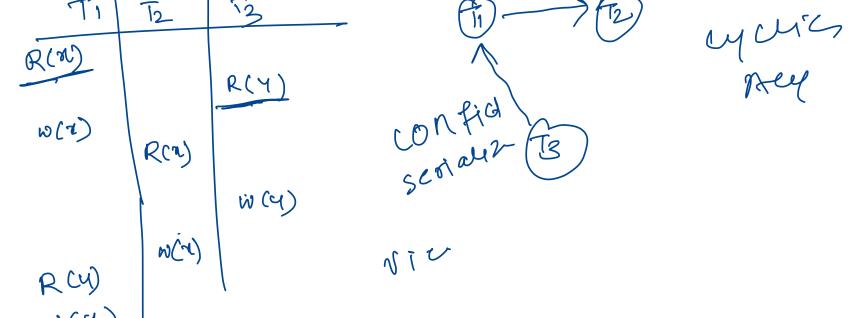
11.	Consider the following schedule S with four transactions T1, T2, T3, T4: [Subendu:MCQ:points]
	S: $R3(A); W2(A); R1(A); W1(A); R3(B); W4(B);$
	Where, Ri(A) denotes a read operation by transaction Ti on a data item A, Wi(A) denotes a write operation by transaction Ti on a data item A. What is the possible number of conflict serializable schedule of the above schedule S. Ans: Option b
	O 4
	O 3
	O 1
	O 0



17. Consider the following two schedules S1 and S2 and three transactions T_1 , T_2 , T_3 :

T1 Toldar the following two schedules S1 and S2 and three transactions
$$T_1$$
, T_2 , T_3 :

S1: $R_1(X)$; $R_3(Y)$; $W_1(X)$; $R_2(X)$; $W_3(Y)$; $W_2(X)$; $R_1(Y)$; $W_1(Y)$; S2: $R_3(Y)$; $R_1(X)$; $W_1(X)$; $R_2(X)$; $W_3(Y)$; $R_1(Y)$; $W_1(Y)$; $W_2(X)$;



17. Consider the following two schedules S1 and S2 and three transactions T_1 , T_2 , T_3 :

$$\begin{array}{c|c} \mathbf{S1}: R_1(X); R_3(Y); W_1(X); R_2(X); W_3(Y); W_2(X); R1_{1}Y); W_1(Y); \\ \mathbf{S2}: R_3(Y); R_1(X); W_1(X); R_2(X); W_3(Y); R_1(Y); W_1(Y); W_2(X); \\ \hline T_1 & T_2 & T_3 \\ \hline RCY & QCY & Q$$

[MSQ: 3 Points]

S1:W3(A), R2(A), W2(A), W3(B), W3(C), W1(C) **S2**:W1(A), W3(A), W3(C), W2(A), W1(B), W3(B)

Which of the following options is/are correct?

Ti T2 13 W(A)

Schedule S1 can be two-phase lockable.

Schedule S1 is conflict serializable.

Schedule **S2** is conflict serializable.

Schedule **S2** can be two-phase lockable.



[MSQ: 3 Points]

S1:W3(A), R2(A), W2(A), W3(B), W3(C), W1(C) S2:W1(A), W3(A), W3(C), W2(A), W1(B), W3(B)

Which of the following options is/are correct? WIA

Schedule S1 can be two-phase lockable.

Schedule **S1** is conflict serializable.

- Schedule **S2** is conflict serializable.
- Schedule **S2** can be two-phase lockable.



W(A)

[MSQ: 3 Points] 3. Consider the following schedules: \sim S1:W3(A), R2(A), W2(A), W3(B), W3(C), W1(C) S2:W1(A), W3(A), W3(C), W2(A), W1(B), W3(B) Which of the following options is/are correct? Schedule **S1** is conflict serializable. Schedule S1 can be two-phase lockable. Schedule **S2** is conflict serializable.

O Schedule S1 can be two-phase lockable.

O Schedule S2 is conflict serializable.

O Schedule S2 can be two-phase lockable.

[MSQ: 3 Points]

S1:W3(A), R2(A), W2(A), W3(B), W3(C), W1(C) S2:W1(A), W3(A), W3(C), W2(A), W1(B), W3(B)

Which of the following options is/are correct?

- Schedule S1 is conflict serializable. 10CK-X(A) Schedule S1 can be two-phase lockable (CK)
- Schedule **S2** is conflict serializable.
- Schedule S2 can be two-phase lockable.

[MSQ: 3 Points]

10CK ~ (B)

JOCK XCA,

 $\mathbf{S1}:W3(A), R2(A), W2(A), W3(B), W3(C), W1(C)$ $\mathbf{S2}:W1(A), W3(A), W3(C), W2(A), W1(B), W3(B)$

Which of the following options is/are correct?

- Schedule **S1** is conflict serializable.

 Schedule **S1** can be two-phase lockable.

 Schedule **S2** is conflict serializable.
- O Schedule **S2** can be two-phase lockable.

5. Figure 2 shows the precedence graph of a conflict serializable schedule S. How many $\omega(\mathcal{B})$ serial schedules are there to which S can be conflict serialized?

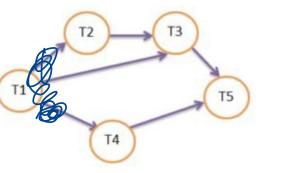


Figure 2: Precedence Graph of schedule S

$$[MCQ:WK-10:3 points]$$

TI -> TY -> T2 -> T3 -> T5

T1 + T2 + T3 + T4 + T5
T1 + T2 + T4 + T3 + T5

follow) 2 phase lockable ? confict serialites

view serializab not conflict serviceleza yes (may be possible) confict serialitable door precondence gooph confict Sesializable week 1-8 50-60 f week 9-12 40 > 50 1