

Wk	S	M	T	W	T	F	S	Wk	S	M	T	W	T	F	S
05						1	2	05	31					1	2
06	3	4	5	6	7	8	9	06	3	4	5	6	7	8	9
07	10	11	12	13	14	15	16	07	10	11	12	13	14	15	16
08	17	18	19	20	21	22	23	08	17	18	19	20	21	22	23
09	24	25	26	27	28			09	24	25	26	27	28	29	30

5th Sem (H)  
Dipamwita Pal  
Class - 6

Date-23/09/20

21

2019

Thursday

Week 08

\*

Fate of Pyruvate

Activation / Oxidation / decarboxylation of Pyruvic acid to form Acetyl CoA

then enter TCA / Krebs's cycle

1) Pyruvic Acid + TPP (Thiamine pyro phosphate)

↓  
 Activated aldehyde + CO<sub>2</sub>

2) Activated aldehyde + Lipoic Acid

↓  
 Acetyl lipoic Acid + TPP

3) Acetyl lipoic Acid + Co-A

↓  
Acetyl CoA + reduced lipoic Acid

↓ enter  
 krebs's cycle

↓ ~~NAD<sup>+</sup>~~  
 + NAD<sup>+</sup> (1)  
 ↓  
 Lipoic Acid + NADH + H<sup>+</sup>

Experience is what you get when you don't get what you want. - Don Stanford

Notes :

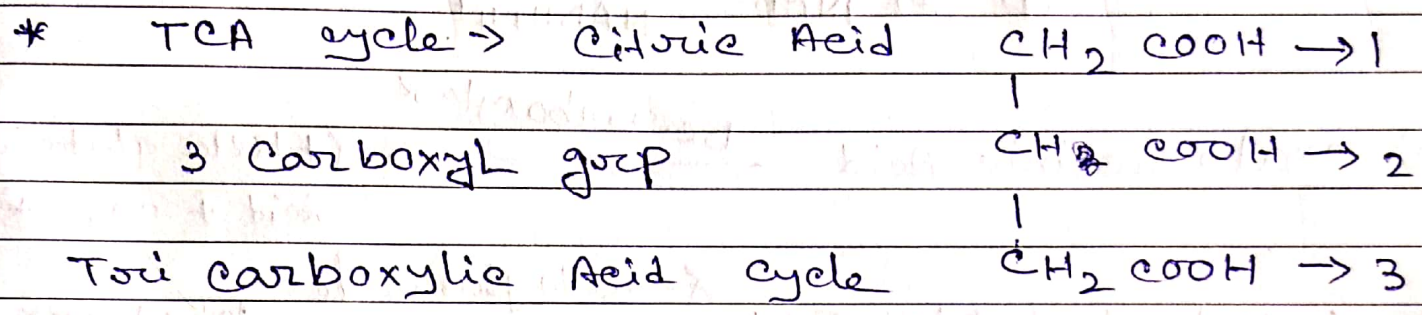
Appointment :

Wk	S	M	T	W	T	F	S	Wk	S	M	T	W	T	F	S
09	31					1	2	14	1	2	3	4	5	6	
10	3	4	5	6	7	8	9	15	7	8	9	10	11	12	13
11	10	11	12	13	14	15	16	16	14	15	16	17	18	19	20
12	17	18	19	20	21	22	23	17	21	22	23	24	25	26	27
13	24	25	26	27	28	29	30	18	28	29	30				

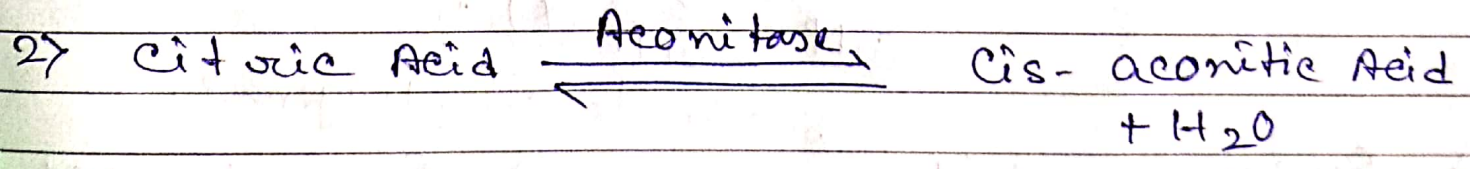
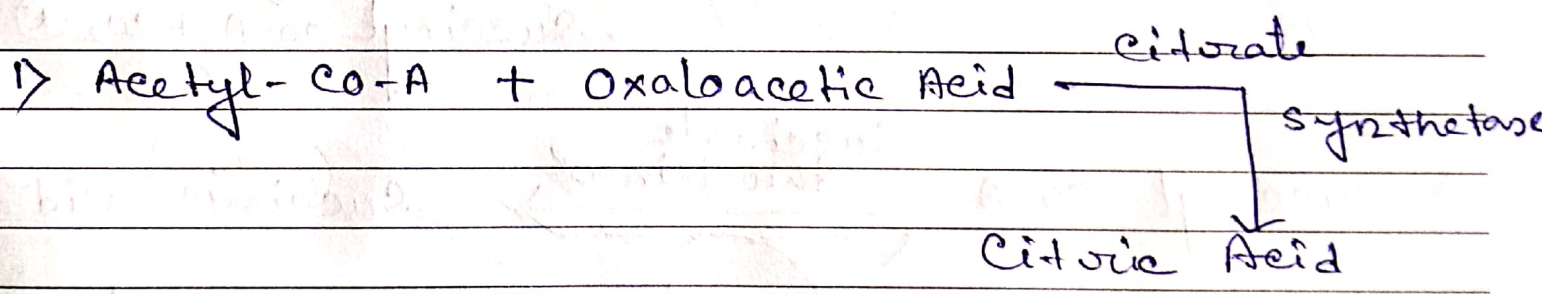
TCA cycle

\* H.A. Krebs (1937) → Krebs cycle

\* Citric Acid cycle → Est product citric Acid



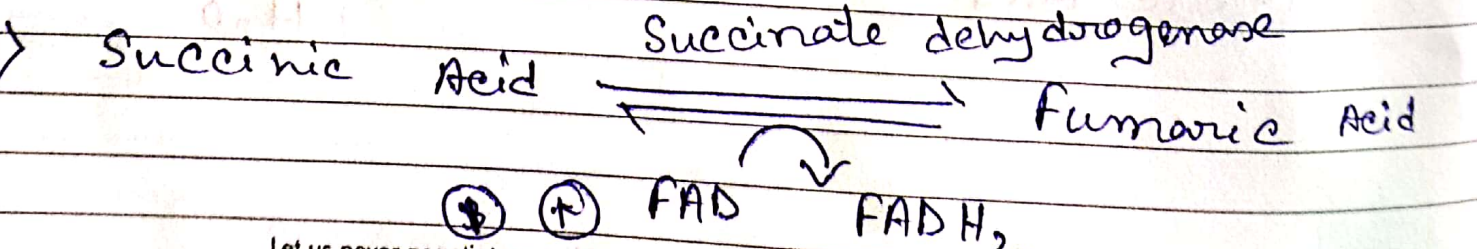
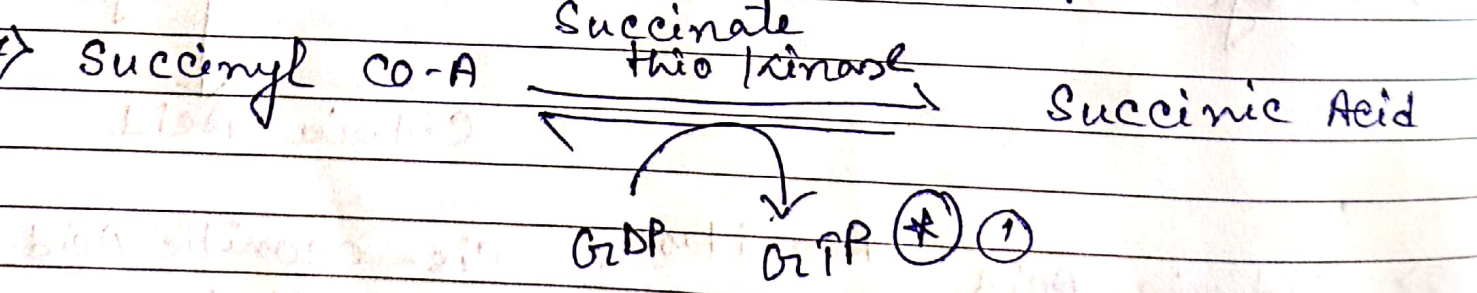
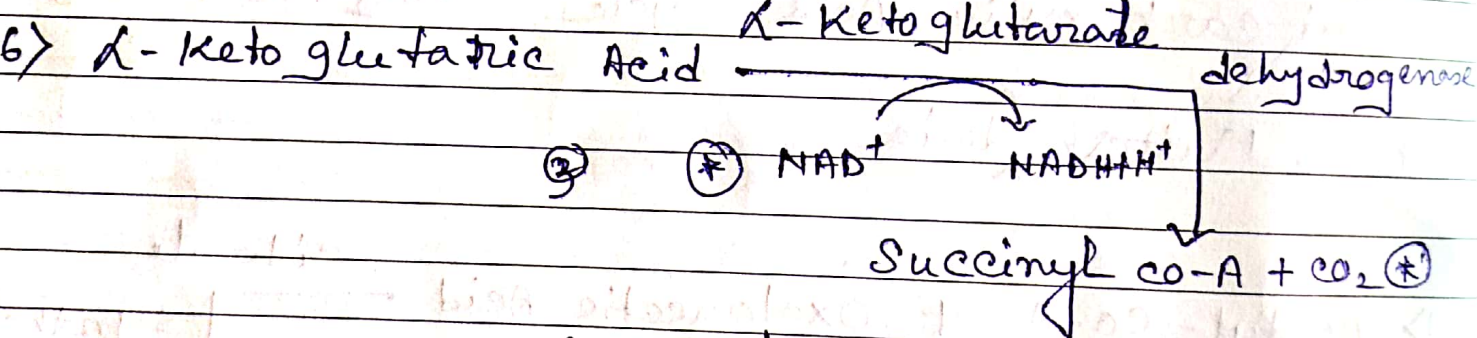
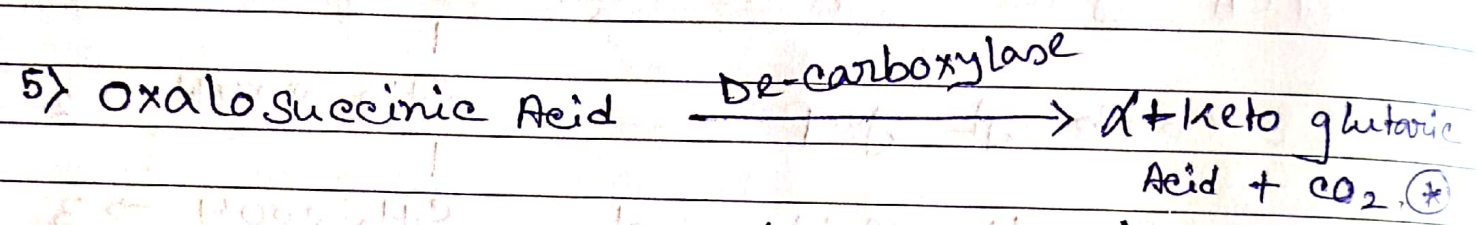
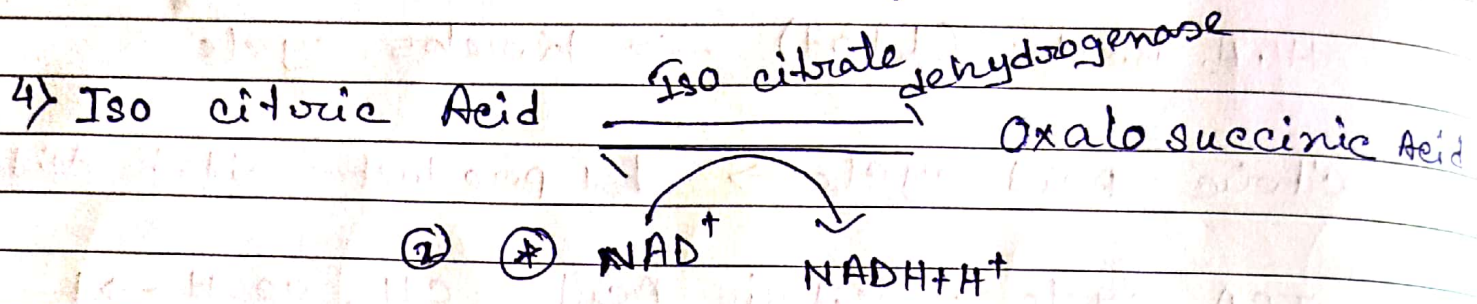
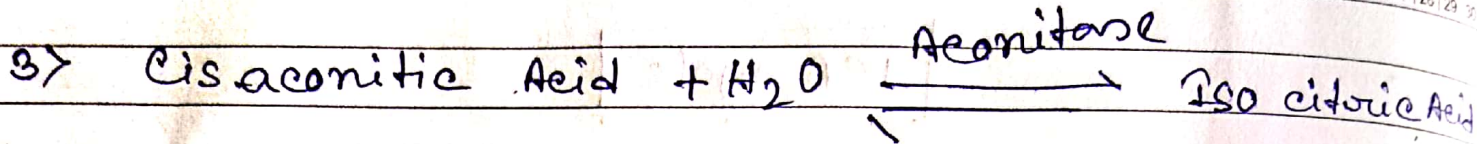
\* Mitochondria



I went into the business for the money, and the art grew out of it. - Charlie Chaplin

Notes :	Appointment :

Wk	S	M	T	W	T	F	S	Wk	S	M	T	W	T	F	S
05						1	2	05	31					1	2
06	3	4	5	6	7	8	9	06	3	4	5	6	7	8	9
07	10	11	12	13	14	15	16	07	10	11	12	13	14	15	16
08	17	18	19	20	21	22	23	08	17	18	19	20	21	22	23
09	24	25	26	27	28			09	24	25	26	27	28	29	30

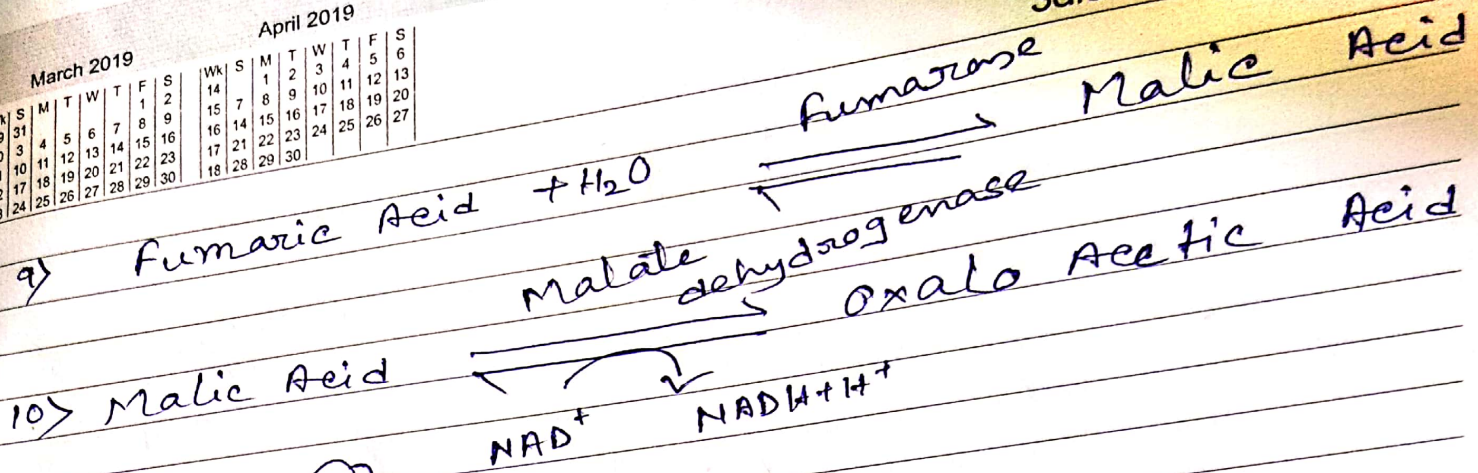


Let us never negotiate out of fear. But, let's never fear to negotiate. - John F. Kennedy

Notes :

Appointment :

March 2019							April 2019						
Wk	S	M	T	W	T	F	S	M	T	W	T	F	S
09							14	1	2	3	4	5	6
10	3	4	5	6	7	8	15	7	8	9	10	11	12
11	10	11	12	13	14	15	16	14	15	16	17	18	19
12	17	18	19	20	21	22	17	21	22	23	24	25	26
13	24	25	26	27	28	29	18	28	29	30			27



(4) (5)

2 mol. Pyruvic Acid ATP

~~2 mol.~~ NADH + H<sup>+</sup>  $2(3 + 3 + 3 + 3) = 24$

~~2 mol.~~ FADH<sub>2</sub>  $2(2) = 4$

GTP  $2(1) = 2$

---

30

Glycolysis → 8

TeA → 30

---

38 mol. ATP

It is possible to fail in many ways while to succeed is possible only in one way. - Aristotle

Notes :	Appointment :