

September 2023

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

August

2023 34th Week

(I) Sulphate hydrolysed and their group involved -

Friday 25

(i) Carbohydrate hydrolyzing enzymes -

a) Glycosidases - Cellulase, Amylase, Sucrase

(ii) Protein hydrolysing enzyme -

(a) Peptide bond

Endopeptidase :-

Animal - Pepsin, Trypsin, Renin

(iii) Lipid hydrolysing enzyme

Lipase, Esterase, Lecithinase

Saturday 26

(iv) Other ester hydrolysing enzymes

(a) Phosphatases

(i) Cholinesterases

(ii) Sulphatases

(v) Oxidation - Reduction enzymes -
Hydrazes, Nitases, Oxidases

Sunday 27

(vi) Miscellaneous Enzyme -

Catalase, Carboxylase, Carboxic anhydrase

August

34th Week 2023

August 2023

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28	29	30	31										

e.g. hydrolases
(catalysing hydrolysis)
23 ^{Wednesday} Substrate acted upon the type of.

reaction catalysed — The name of some enzyme gives clue of both the substrate utilized and the type of catalysed. e.g.

The enzyme Succinic dehydrogenase catalyses the dehydrogenation of the substrate Succinic acid.

(d) Substrate that is synthesized — A few

24 ^{Thursday} enzyme have been named by adding

the suffix 'ase' to the name of the substrate

synthesized e.g. Fumarase that forms fumarate irreversibly from L-Malate.

(e) Chemical composition of the enzymes —

Based on their chemical composition

Successful leaders have the courage to take action where others hesitate

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August

2023 34th Week

change in pH, temperature, ion and

Monday 21

the concentration of the enzyme and substrate

The optimum pH value of an enzyme depends upon the nature of the enzyme and substrate

Nomenclature →

(a) A substance substrate acted upon by the enzyme. The substance upon which an enzyme act is called substrate, named the enzyme by suffix '-ase' in the name of the substrate catalysed. The enzyme acting upon carbohydrate were named as carbohydrases.

Tuesday 22

(b) Types of reaction catalysed - The enzymes are highly specific as to reaction they catalysed.

and adding suffix '-ase' in the name of reaction

The man who will use his skill and constructive imagination is bound to succeed

18

Friday

cell contains as many as 100000 enzymes. Each enzyme controls a specific reaction and comes into play right movement and ~~play~~ place. The enzymes produced by a living cell fall into two groups.

(a) Endo enzyme (Intracellular Enzymes).

19

Saturday

which are produced by the cell and function within that cell.

(b) Exo enzymes (Extra cellular) are the enzymes

which act outside the cell which secretes them. The enzymes are highly

20 Sunday

specific in their action and are active in minute amounts.

The enzymes are highly sensitive to

Happy people plan actions, they don't plan results

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MADHURI CHOUDHARY

P.G. Sem-III

UNIT-I CC-XIII

August

2023 33rd Week

Enzymes

Wednesday 16

Enzymes are chemical substances which accelerate most of the chemical reaction occurring in the living cells.

They are biological catalyst elaborated by living organisms. They are present in very small amount in various cells.

Thus the enzymes are a group

Thursday 17

of chemical protozoal organic compounds and a number of them have been obtained in a crystalline form. Every cell synthesizes their own enzymes, every enzymes in the living cell. They are separate gene which is responsible for

the enzyme synthesis and a single

to Aim and hit, you need one eye only, and one good finger.