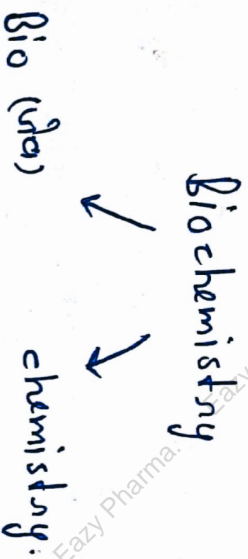


Introduction of Biochemistry

Unit - 1

Unit - 1

Introduction of Biochemistry

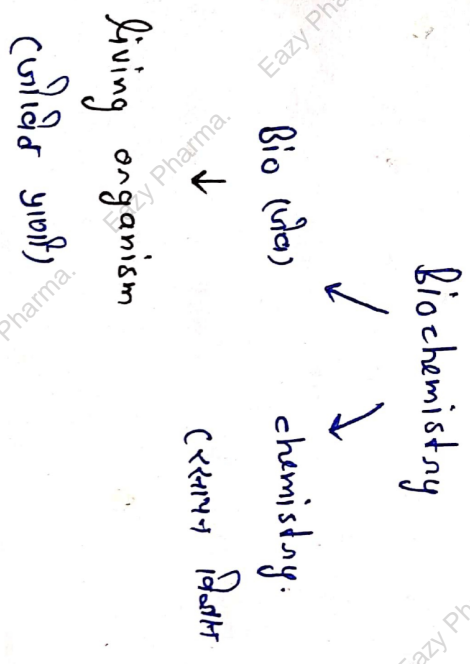


- Biochemistry term is
can be used in 1903
introduced by
chemistry of branch
($\text{C}_6\text{H}_{12}\text{O}_6$)
chemistry and Biology

Biochemistry II D Pharm 2nd Year

Unit - 1

Introduction of Biochemistry



- study of chemistry of life and life
- Because of study of life and life

Biochemistry term is

was introduced by

in 1903

of chemistry and biology

study

of study combined of

life and

study

of biochemical

reaction and

life, growth, metabolism etc...

etc...

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* Definition →

(The chemistry of life)

- Biochemistry science of branch of chemical processes of living organism related to
- Biochemistry of chemistry and biology of combined study of

* scope of Biochemistry -

• Biochemistry of various scope of -

- Biochemical test.
- The half life.
- Drug constitution.
- Drug storage.
- Drug Metabolism.

1) Biochemical test -

- of test drugs of half life and data of expiring

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• only six and 2 1/2

2) The half life →

- it was test of Biochemical drugs in long and 1/2

- start of water 1/2 for drugs in 1000 temperature in water in 1000 stable in 1000 1/2

3) Drug constitution -

- Biochemistry drugs in constitution

1/2 of the idea of 1/2
 1/2 of the idea of 1/2

- Direct in drugs in

side-effects of minimize or and quality of improve in 1/2

4) Drug storage -

- Drugs of storage condition in test in 1000 temperature in active form in 1/2

5) Drug Metabolism -

- start test in 1000 water in

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Most Important Questions
of Community Pharmacology

Thank you ☺

(complete)

- of drugs of poor metabolism
of avoid and if help on d/d/
- of all drugs are given to
Metabolised easily

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* Cell And its Biochemical

organisation -

* Cell - (cellular)

- cells body or basic living structural and functional unit

- its different (complex) listless chemical molecules or or of

like - Proteins, Nucleic acid (DNA and RNA), polysaccharides etc.

* Complex molecules -

- small organic compounds

such as. Amino acids, Nucleotides and monosaccharides function as the monomeric units on building blocks

* Major complex Biomolecules of cells -

|

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Biomolecules ഉറവിടങ്ങൾ	Building blocks (monomer units) (പുനഃകോശങ്ങൾ)	Major function (പ്രധാന ഘടന)
<ul style="list-style-type: none"> • Protein • DNA (Deoxyribonucleic acid) • RNA (Ribonucleic acid) • Polysaccharides (Glycogen) • Lipid (Triglyceride) 	<ul style="list-style-type: none"> • Amino Acids (മുഖ്യ ഘടകങ്ങൾ) • Deoxyribonucleotides • Ribonucleotides • Monosaccharides (Glucose) • Fatty acids, Glycerol 	<ul style="list-style-type: none"> • Cells are basic structural and functional unit of the body • Genetic information are stored in DNA • ഗ്ലൈസറോൾ ഉപയോഗിച്ച് വിതരണം ചെയ്ത വിവരങ്ങൾ • Body energy are stored in the form of Glucose • Energy are second major source of life

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*** Micromolecules -**

- Micromolecules small organic molecules found in living cells and present in living cells in crystal form
- 100 - 200 molecules called as present in quantity
- Some common examples of micromolecules are -
→ amino acids, nucleotides, sugar etc.

*** Macromolecules -**

- Macromolecules are high weight molecules formed by monomer units
- polymerisation formed by monomer units
- for examples -
1) Polysaccharides - monosaccharides are formed by polymerisation

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2) Protein - Polymerisation of Amino acids.

etc ---

Dr. J. S. Chandra

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THANK YOU.

By Dr Firoz khan

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