BIO 103/L-01/19.01.2025/

Attendance > 101.

Quizes => 3 out of 4 => 309.

Midterm > 259.

Final = 354.

Dentral Dogma:

- transmission of genetic information from DNA to Protein via RNA.
- Ninus is pseudo living. But they can thrive/neproduce in a living host.
- * Homo-sapience >> knowledgable man.
- There are 20 different Amino Acids. (Naturnally occurred)
- Francis Creek proposed Central Dogma.
- RNA on Protein.
- There are more than look Protein in our body but the number of genes are only 20 22k.

1-02/21.01.2025/

1 Japanese ZWT

Sintereval walk training

- 3 minutes slow } total 5 times - 3 minutes fast } = 30 minutes aday

=) total 5 days in a week

= 150 minuter

What is life?

=) things that distinguisher living organism from nonliving matter.

Human DNA = 46 (hnomosome)

& Total amount of DNA is called Genome.

& Size of human genome! 6.4 × 10?

* Cellulan basi:

- cell is the basic unit of life

(Single cell

- bacteria - Procanier - no neucleus - prokaryotic

& Hyman -

- eukanyotic - has nuclew

L-03/26.01.2025

=> 1gm fat = 2 ke

& different type of RRNA ***

- 04.02.2025

- 25 statements (half true half false)

- If false, write the connect drs.

- 15 minutes, 10 marks

- 10+ connect = bonus 0.5

1-05/02.02.2025/

(atom > molecule) compound

1-06/04.02.2025/

8 Wize-2

€ pH is a measure of acidity and alcaline -scale: 0-14

L-07/09.02.2.25/

Differentiate between acids and bases with enample.

1-08/11.02.2025/

- What are the different level of protein?
- Mod-bond = vnsaturakd

- Phospolipia gives fluidity to the cell membrane.
- @ Colesterol have four rings in its structure.
- =) essential fatty acid,
 - unaturated
 - omega 3

L-09/16.02.2029

- Write about cell theory.
- Differentiate between prokarryotic and eukanyotic cell.
- Andosymbiotic theory of the evolution of organel mytocondia & cloro plut.
 - & Fluid magair model.

CDL!

- Central Dogma of Life
- Transmission of genetic information from DNA to protein via RNA.

Dogma:

- can't change
 - we need to believe
 - universal
 - unidinectional
- A Gene is a specific sequence of DNA.
 - fragment of DNA, that carrrie a protoin truit.
- 1 100 Messanger RNA.
- Code of dictionary is CY.
- @ One of the segment of DNA is transmibed as RNA.

Midterm Exam
- 02.03.2025

Upto Slide-10

L-12/25.02.2025/

& Energy:

- ability to do work.

* Entropy:

- the measure of degree of disorderlyness.

Difference between breathing and respiration.

ATP-ADP Crele.

Slide -12 xxx

- * On Side-8, direction of the energy flow will be neverse.
- The beginning of the breakdown of gluecoose occurring in the extoplarm.

L-13/02.03.2025/

- @ DNA + Proteins = Chromosome
- The entended length of human DNA is 2m.
- Diameter of human Nuclear is 10 mm
- DNA has to be condensed to 10 thousands times, to accomodate it inside the Nucleas.