

VEER KUNWAR SINGH UNIVERSITY - ARA

B.Sc.

ZOOLOGY (HONOURS) -

PART - III

PAPER - VI

FROM

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AND

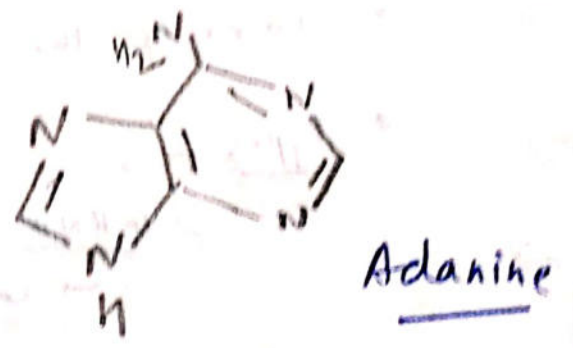
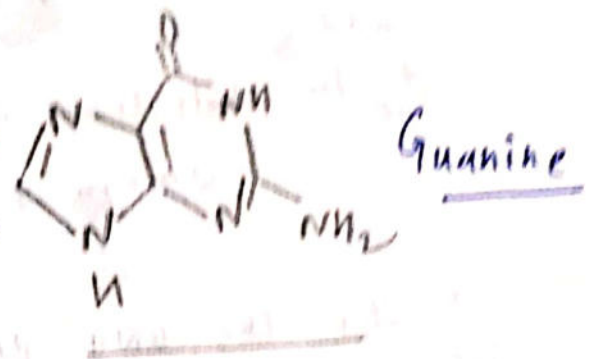
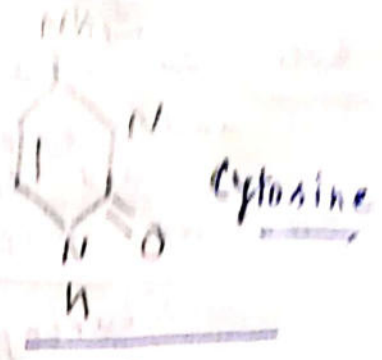
HEAD - U.G. DEPARTMENT OF ZOOLOGY

D. K. COLLEGE - DUMRAON (BUXAR)

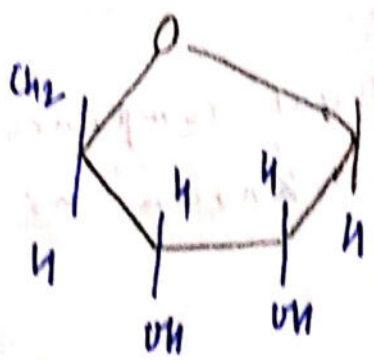
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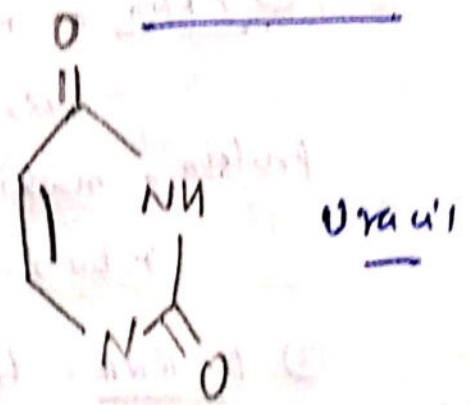
RNA



RNA



Ribose



NUCLEOBASES OF RNA

(2)

- It's a Polymeric molecule
- Role - In-coding, decoding, Regulation and expression of gene, growth to cell, aging and death.
- RNA/DNA - helps - in Medical science for curing - Alzheimer's disease

Added.

- In Nutrition formula - includes - Omega-3 fatty acid and arginine

- It's the DNA photocopy of the cell
- Carries the viral genetic information

Types - 3.

① mRNA = Messenger RNA  
- Copies of the information found in DNA

② rRNA = ribosomal RNA

- Serve as structural component of protein-making structure known as ribosome.

③ t-RNA = transfer RNA

- It ferry amino acids to the ribosome to be assembled

(3)

- Requirements of nucleic acid - in Adult = 2g/day
- Max<sup>m</sup> Safe limit of RNA/DNA is being 4g/day
- RNA can - store and replicate genetic information, like - protein enzymes, ribozymes, which can catalyze chemical rx<sup>n</sup> that are critical for life.
  - Select Right protein for our body.
- Found in cytoplasm, although - synthesized in Nucleus by DNA.

• It undergoes - multiple post-transcriptional processes such as - splicing, editing, modification, translation and degradation. A defect, mis-regulation or malfunction of these processes - results - in disease - in humans.

- Combination of attachment -  
 $A = U, G = C,$

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Next-class DNA-role.