

VEER KUNWAR SINGH UNIVERSITY - ARA

B.Sc.

ZOOLOGY (HONOURS) -

PART - III

PAPER - VI

FROM

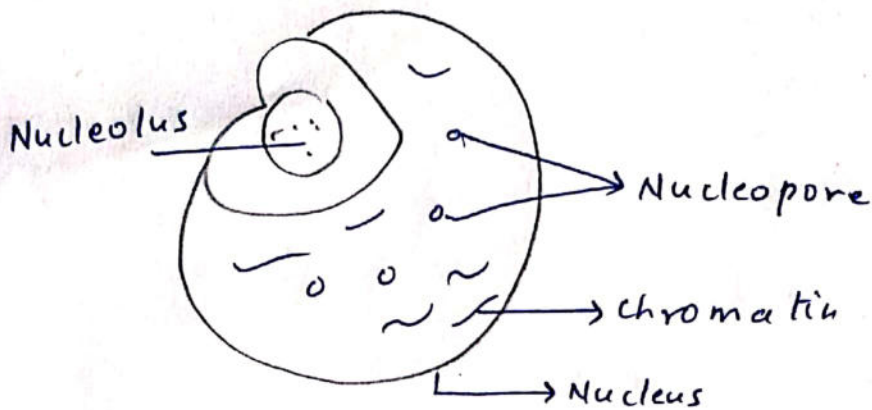
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NUCLEOLUS -

- Largest structure in the Nucleus of Eukaryotic cells.
- Best known as the site of ribosome biogenesis.
- Nucleoli - also participate in the formation of signal recognition particle and play a role in cell's response to stress.
- Also form - ribosomal RNA, rRNA
- Most Eukaryotic genomes contain - large no. of copies of the gene for rRNAs, and these are clustered in the nucleolus.
- Here enzymes and other protein - facilitate rRNA transcription, that the ribosomal subunit formed

— v —

Nucleolus - DNA -