

VEER KUNWAR SINGH UNIVERSITY - ARA

B.Sc.

ZOOLOGY (HONOURS) -

PART - III

PAPER - VI

FROM

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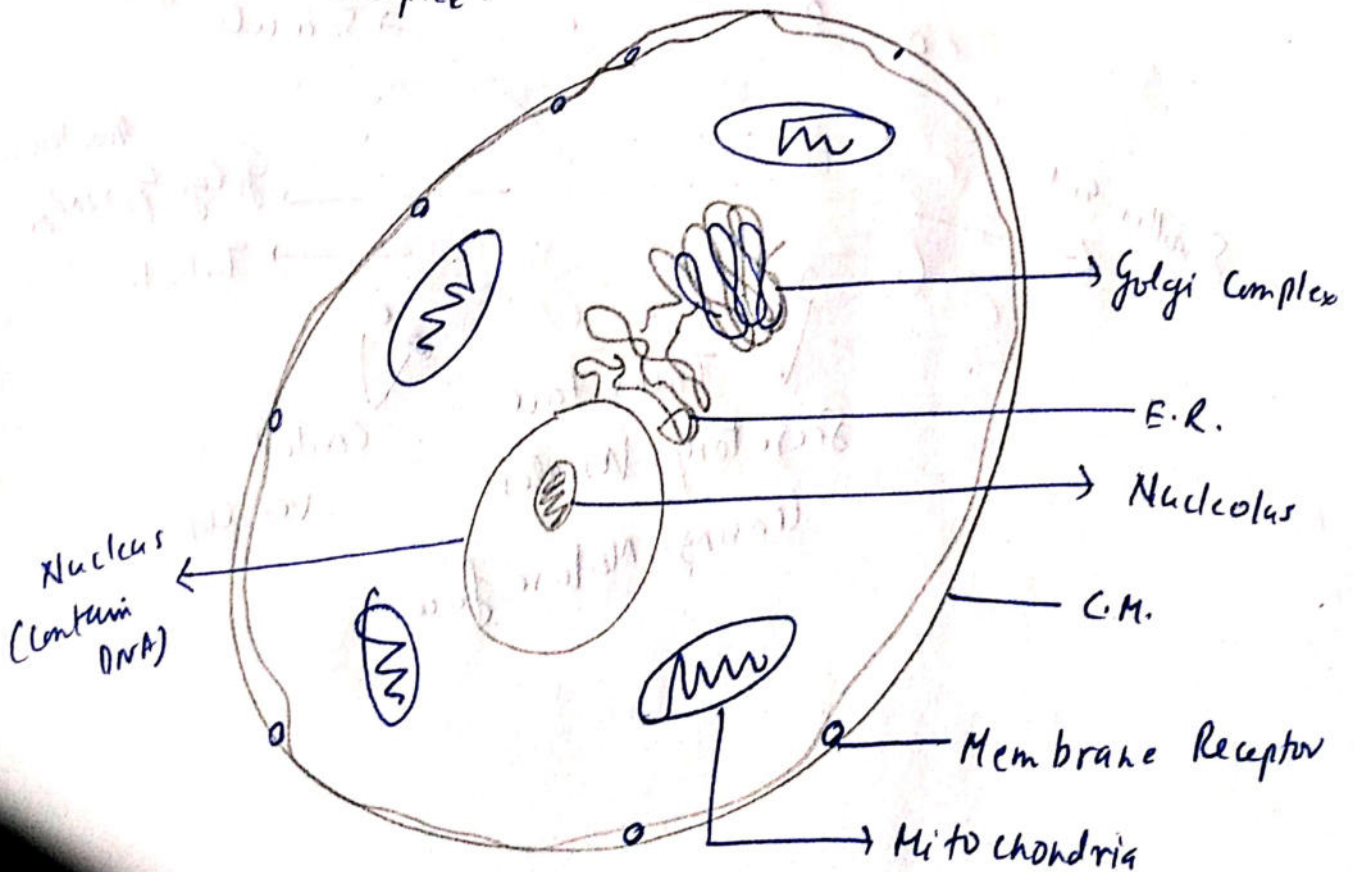
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Dr. Rajesh Verma

## Golgi Complex - (dictyosomes)

- o Golgi Apparatus - is also known as Golgi Complex
- o Found in most eukaryotic cells
- o It's the stack of small flat sacs formed by membranes inside the cells cytoplasm (gel-like fluid).
- o It prepares - protein and lipids
  - It gathers simple molecules & combine them to make molecules that are more complex.

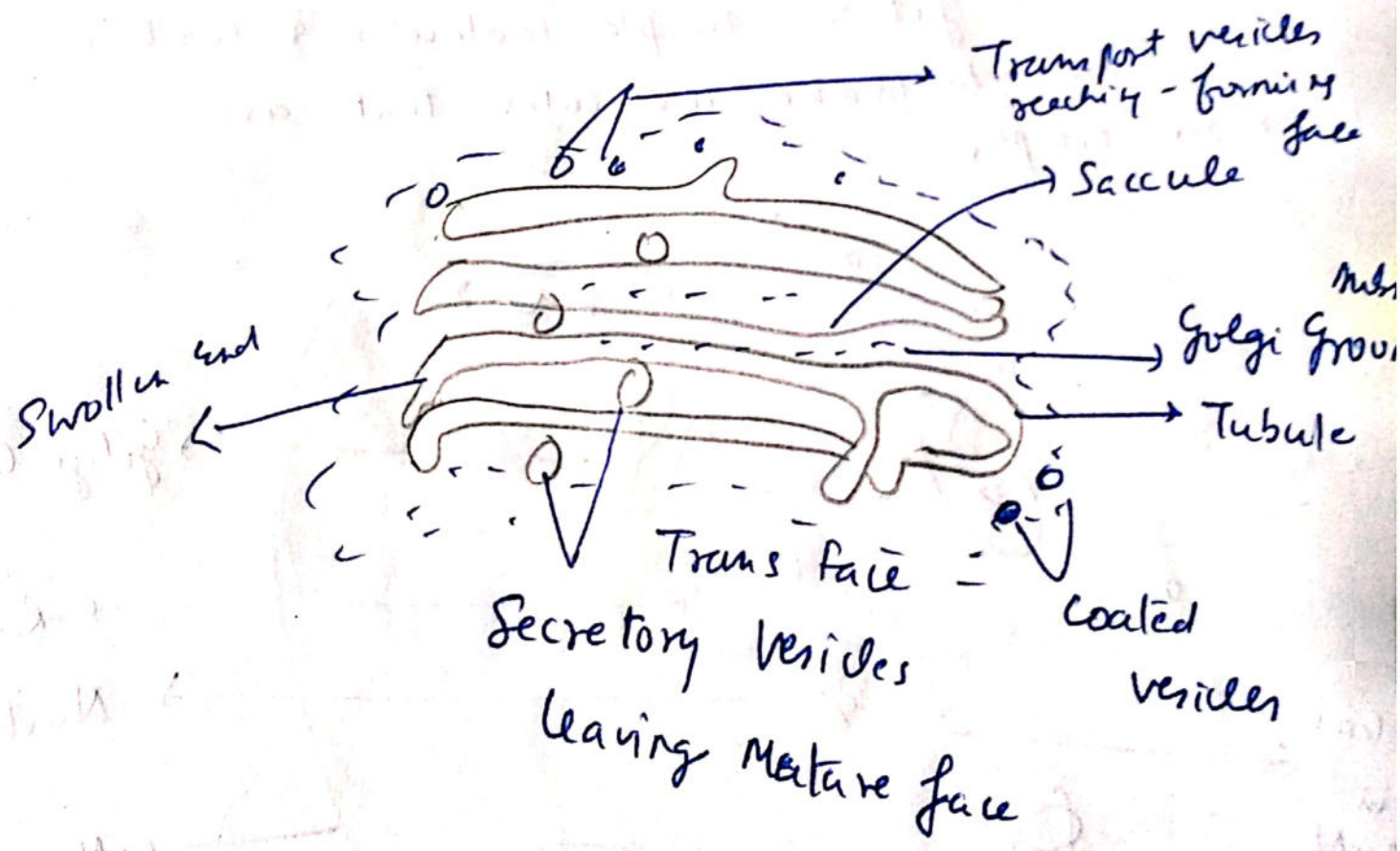


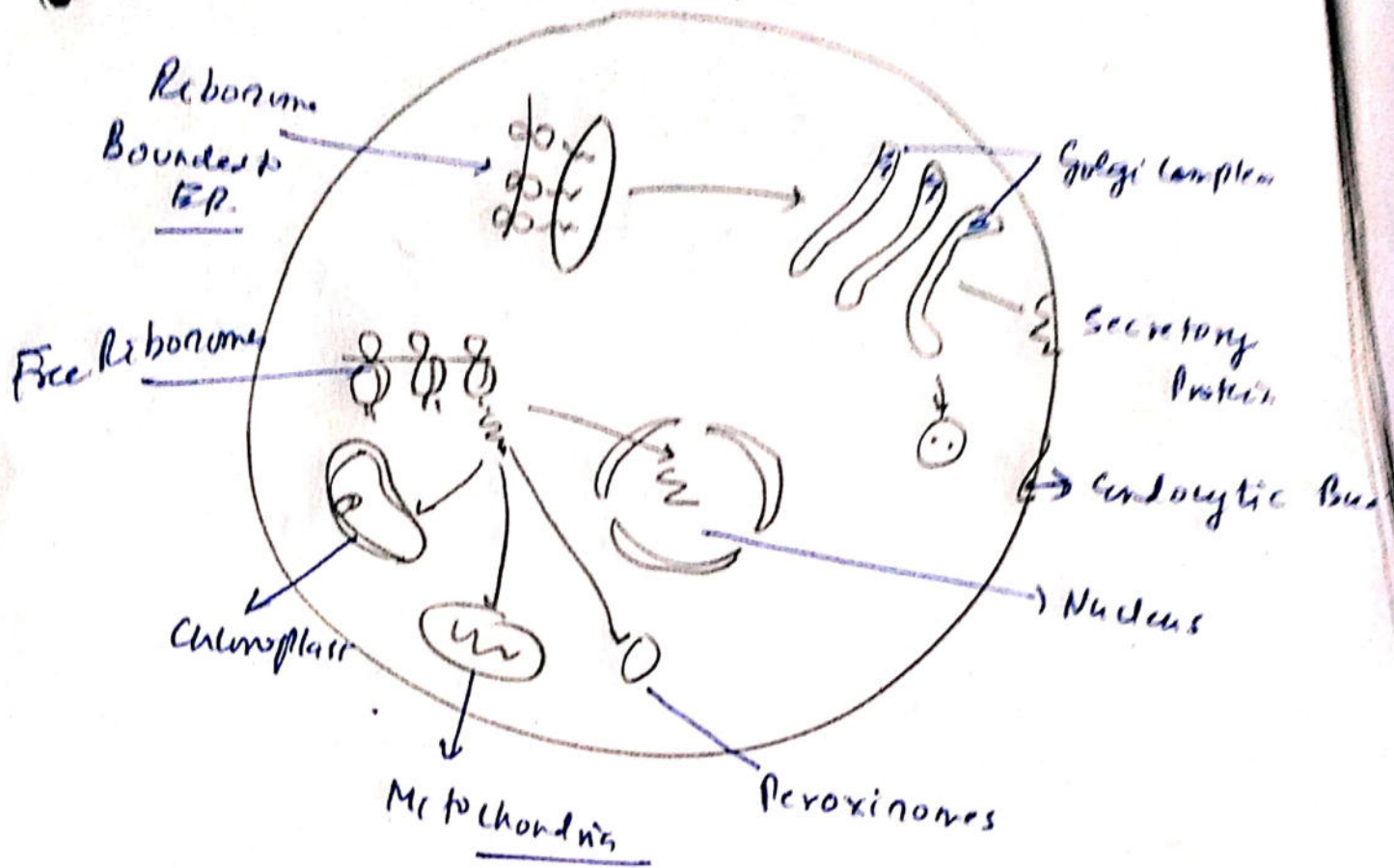


- also (2)
- o 2<sup>nd</sup> modify, sorting and packaging of proteins for secretion.
  - o Help in transport of lipids around the cell, and secretion of lysosomes

o Sacs or fold of the golgi apparatus are called - cisternae

o In eukaryotic cells - the golgi apparatus is the manufacturing & shipping - centre





(Mechanism: Nascent protein targeting different organelles of the cell and cell secretion)

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Next - Day - DNA - Structure