

VEER KUNWAR SINGH UNIVERSITY - ARA

B.Sc.

ZOOLOGY (HONOURS) -

PART - III

PAPER - VI

FROM

DR. RAJESH VERMA
ASSISTANT PROFESSOR
AND

HEAD - U.G. DEPARTMENT OF ZOOLOGY

D. K. COLLEGE - DUMRAON (BUXAR)

Mobile - NO: 094305-10473

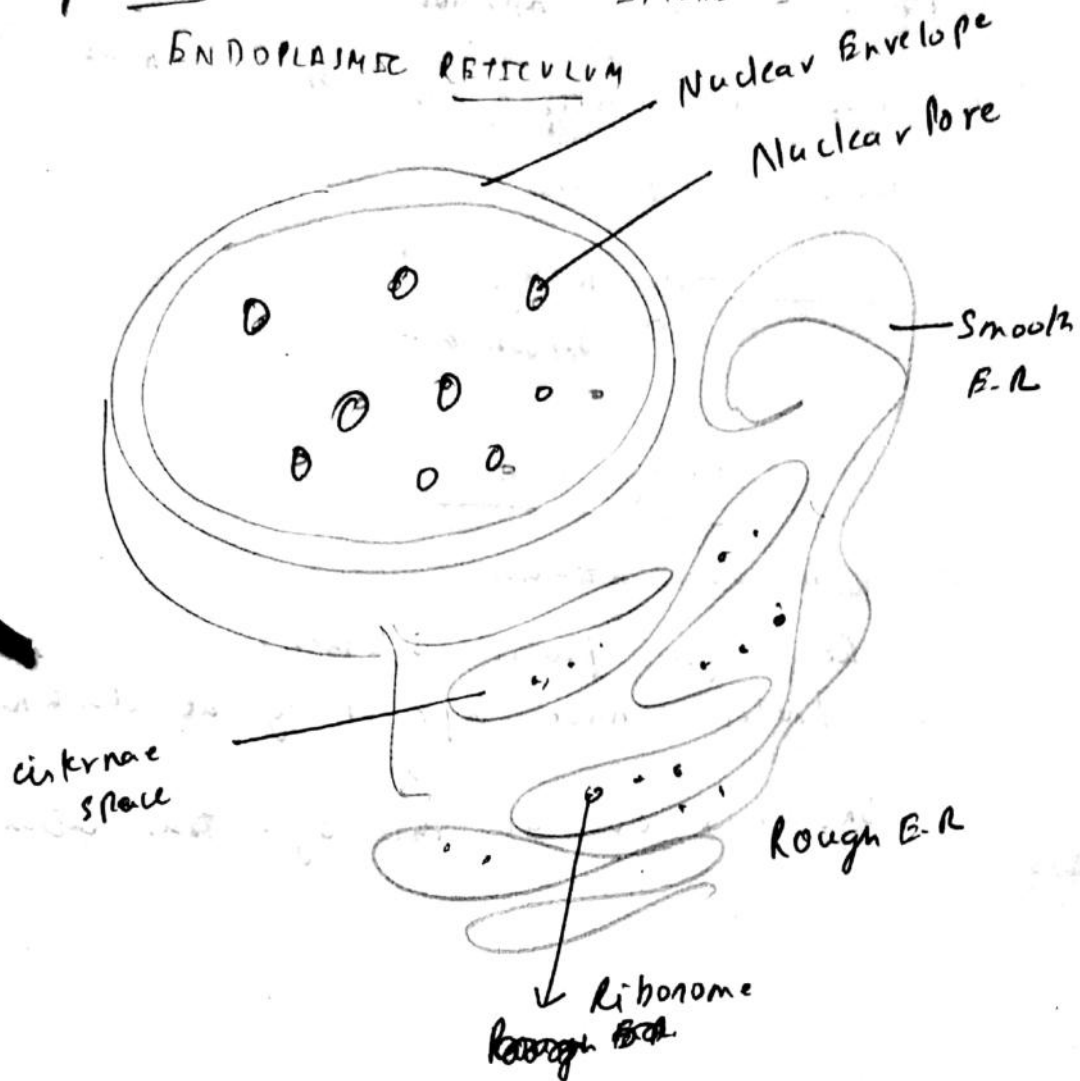
e mail = dr rajesh verma 2020@gmail.com.

9.5.2020

Key term

B.Sc. Zoology (H)
PART-III, ANATOMY-V

(1)



(E.R)

- o A continuous membrane system
- o Form a series of flattened sac within the cytoplasm of eukaryotic cells and several multiple functions.
- o Help in synthesis, folding, modification, and transport of proteins.

- ②
- o Present in all eukaryotic cells -
 - o Constitute - half of the membranous content of the cell
 - o 2 types - (1) Rough E.R
 (2) Smooth E.R

Rough E.R

- o Ribosome attached
- o Recptⁿ for protein synthesis
- o Protein have a special final destination
- o Influence over all rate of - translation.

Smooth E.R

- o No Ribosome is found
 - o Involved synthesis of lipids - cholesterol & phospholipids
 = Responsible for new cellular membrane synthesis
 - o Role - synthesis steroid hormone
 - detoxification of drugs & foreign chemical
- Next day class