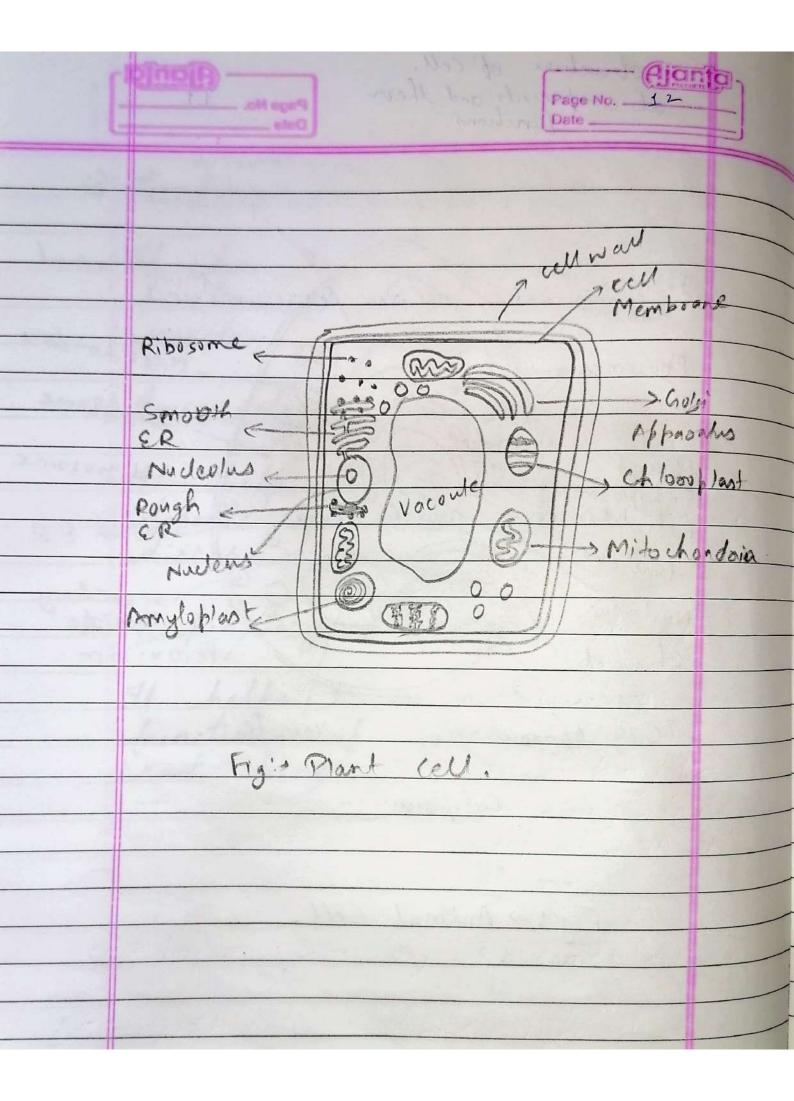
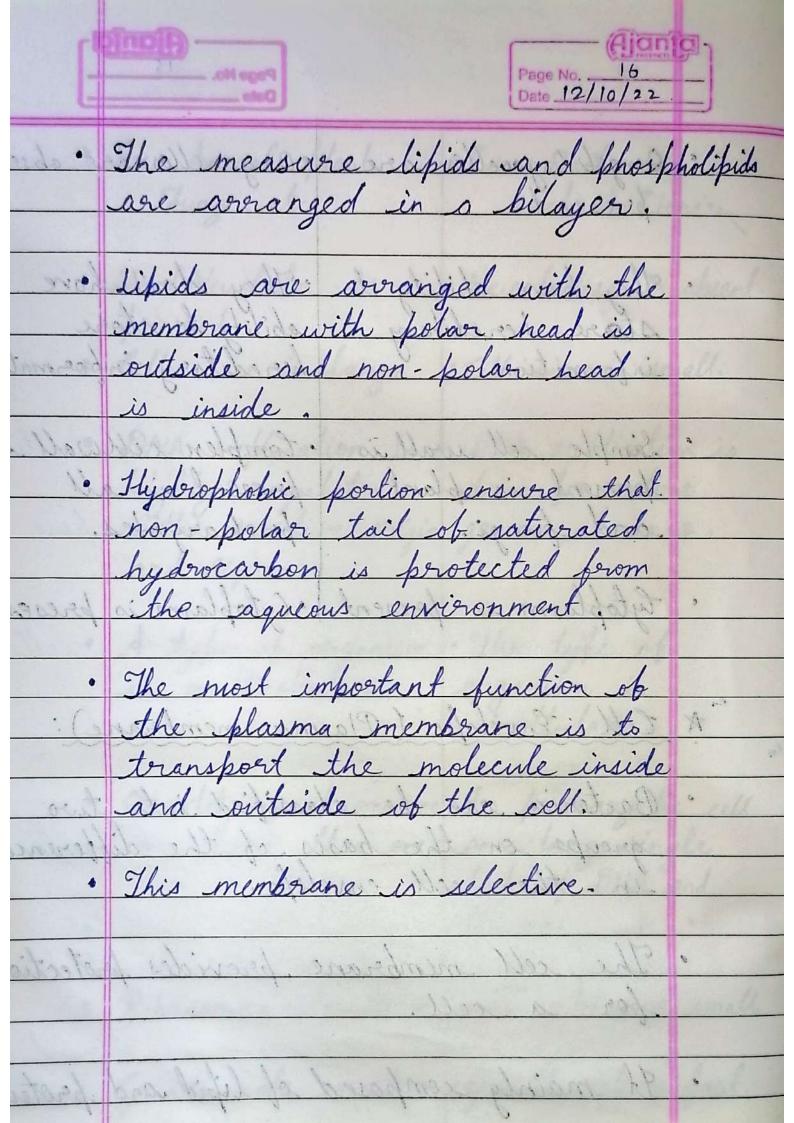
Unit -2 Structure of Cell. — Ajanja its components and their functions. Page No. 11 plasma membrane Microhibide Microbilament Intermediate Abment Mitsochan disid Ribosomes , contossome - Lysosome Rough Endoblosmic 00 Reticulum smooth & R Nuleus secoclosy reside Nudeolus Peroxisom Chromatin Voesule Crolgi Apposahis Cytoplain Fig : > Animal Cell.

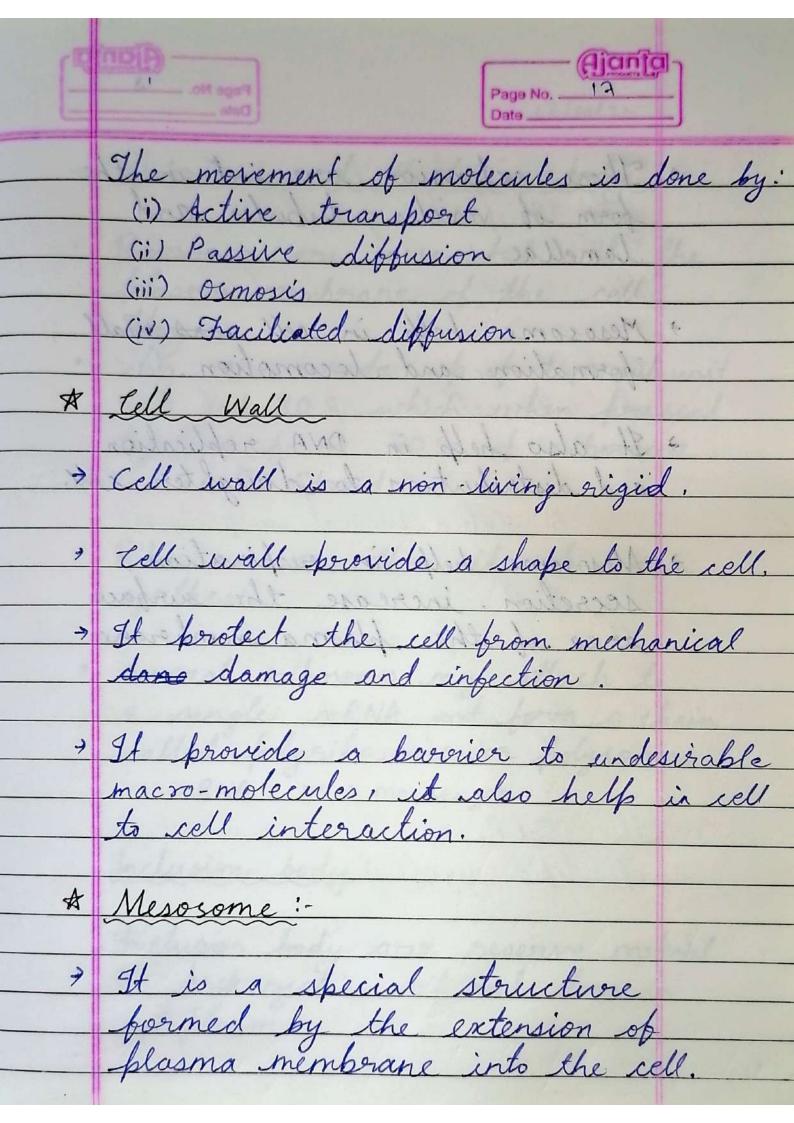


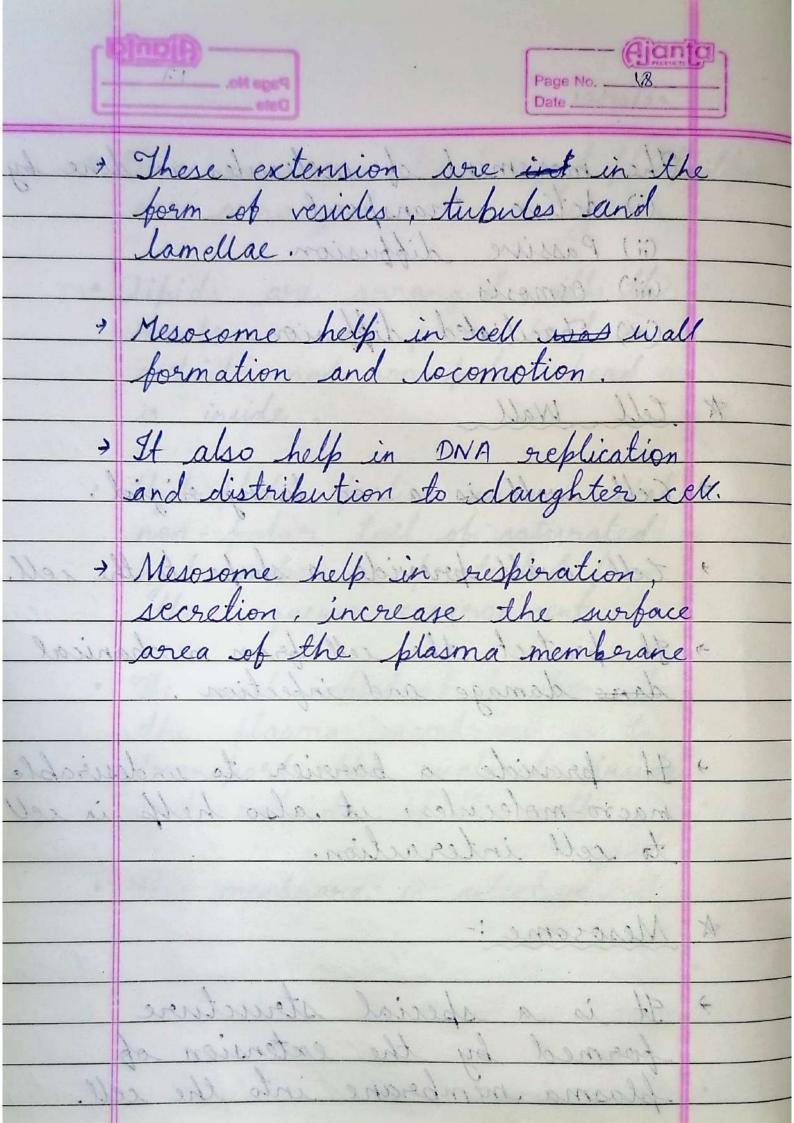
its components and their Page No. 13
parties 28/9/22 Cell: Cell is the fundamental structural and functional unit of all living organism. · tell theory gives the following postulates: of cells and product of cells. (ii) All cells arise from prexisting cells. Difference between Enkaryotic and Prokaryotic cells: Eukaryotic Cell Prokaryotic cell. · Any cell that contain. Any unicellular clearly defined nucleus organism that does and nuclear membrane not contain a membrane bound nuclear or nuclear membrane.

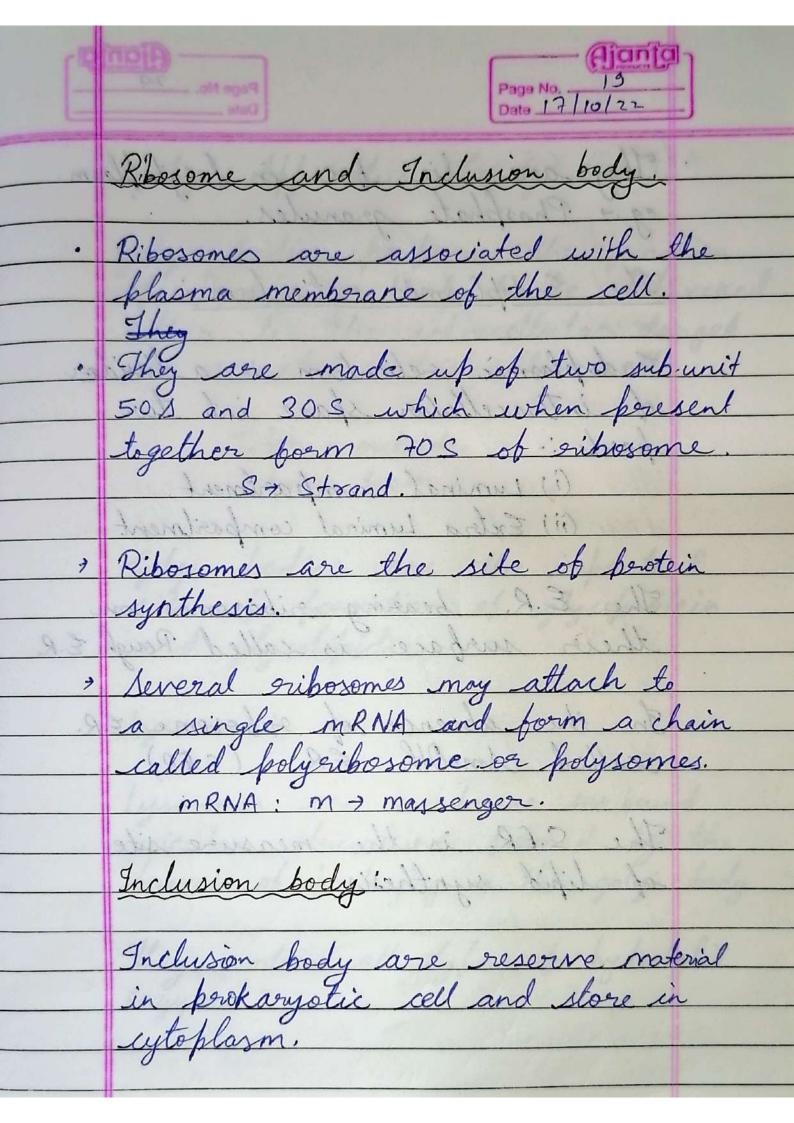
|          |  | Page No. 14 Date                    |
|----------|--|-------------------------------------|
| <b>,</b> | En-Animal, plant,<br>Tungi, etc  | · En: Bacteria,<br>Archaebalteria,  |
|          | Nac Neucleolys is  | · Neucleolus is absent.             |
| •        | present.<br>Cell size is large.  | · Cell size is small.               |
|          |  |                                     |
| fore     | DNA oreplication is<br>highly oregulated<br>with selective origin<br>and sequence. | done for entire<br>genome at once.  |
|          |  | of cells an                         |
| Morale   | A type of organism is multicellular.   | · The type of organism is           |
| 30       | officer Enkingeric an  | organism is unicellular.            |
| elle.    | Quantity of chromosome are more than one.  | In prokavyotic cell one long single |
| lace     | sentain. Any sincelle  | loop of DNA and plasma.             |
| 1        | Ribosomes are large.   | Ribosomes are small                 |
| 620      | Growth grate is slow.  | · Growth rate is fast.              |

| . (3        | Page No.   |
|-------------|--|
|             | Page No  |
| V 13 W      |  |
| (Absoluted) | present. Organelles are obsent.  |
| 1           | present.   |
| •           | They have ability to They don't have   |
|             | They have ability to They don't have store hereditary ability to store information. hereditary information.  |
|             | store hereditary ability to store information. hereditary information.   |
|             | inside.  |
| •           | Simple cell wall is · Complex cellwall is  |
|             | present in plant present in all  |
|             | and fungi. prokaryotes.  |
|             | huderabor is beaterted bean  |
|             | Cytoplasm is present. Cytoplasm is present.  |
|             | - La - British Marine Carlot C |
| *           | Cell Envelope (Plasma membrane):   |
|             | chiera should am sale readenset  |
|             | Bacteria can be classified into two groups on the basis of the differences in the cell envelope.   |
|             | groups on the basis of the differences   |
|             | in the cell envelope.  |
|             |  |
|             | The cell membrane provides protection for a cell.  |
|             | gor a cell.  |
|             | If mainly combared of litial and bastise   |
|             | It mainly composed of lipid and proteins.  |

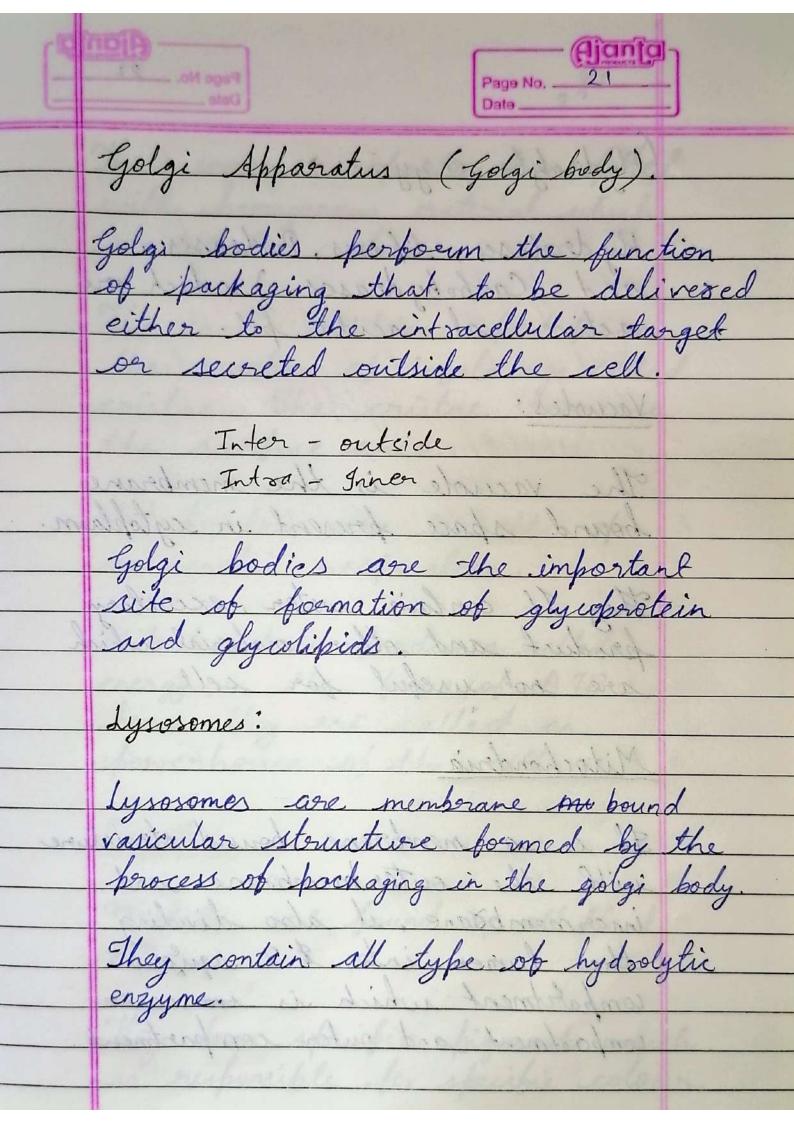


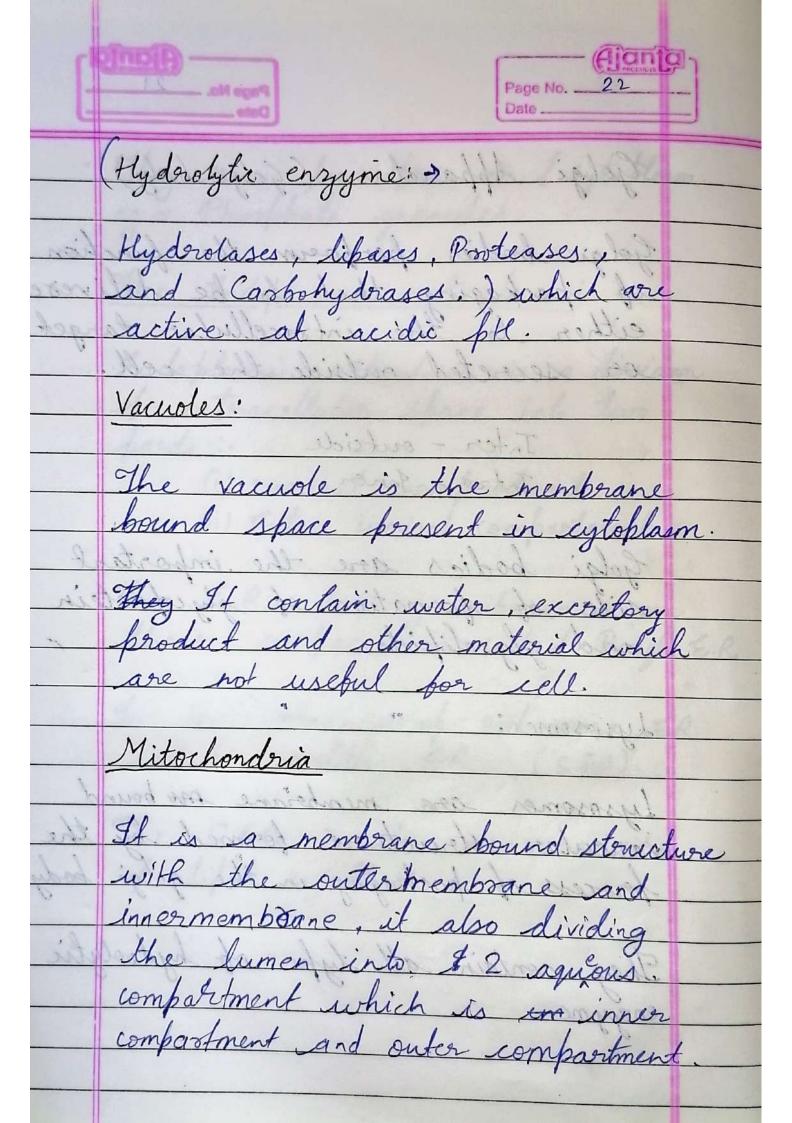


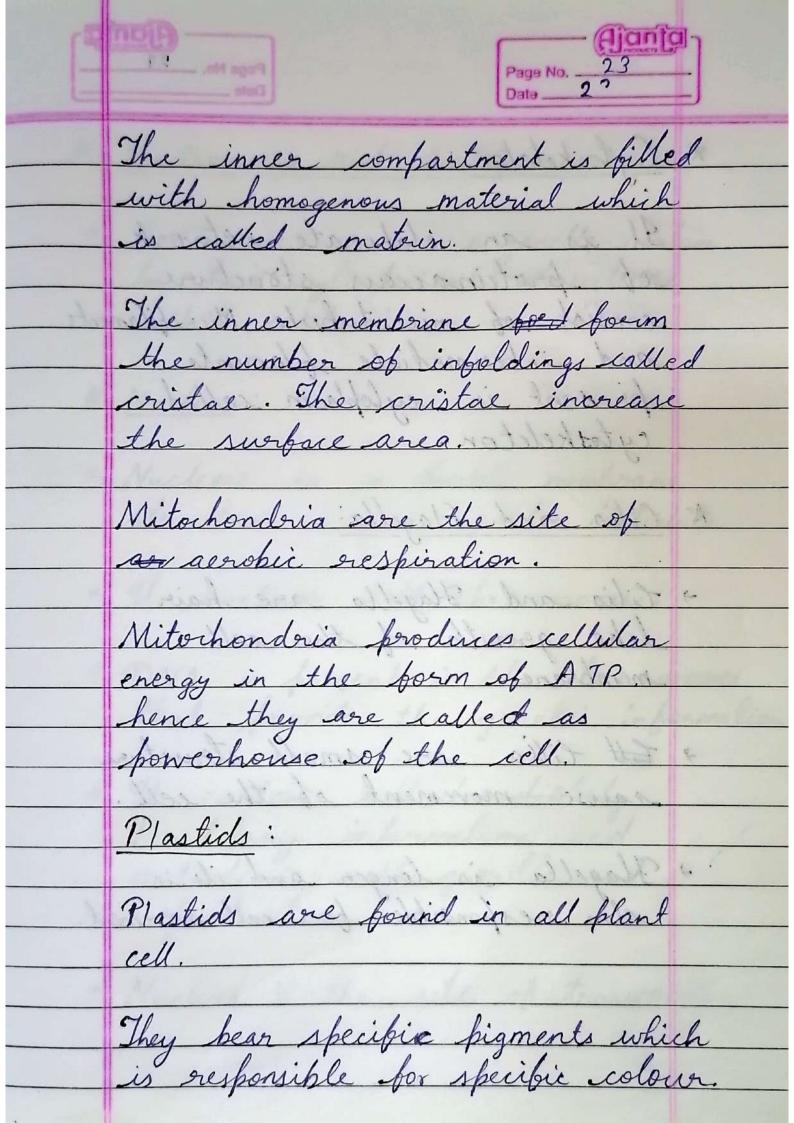




Page No. They are lie force in & cytoplasm.
eg. 7 Phosphate granules. The Endoplasmic reticulum: Endoplasmic seticulum is a dividor of intracellular space into two e parts: - to of maj realiget (i) Luminal compartment. (ii) Extra Luminal compartment + Riboramer, are the site of protein The E.R. bearing ribosomes on their surface is called Rough E.R. I heveral eriberous may attack to In the absence of subosome, ER. called Smolth . E.R. (S.E.R.) mRNA: m + massenger. The S.F.R. is the measure site of lipid synthesis Inclusion body are necessary married in prokangatie sell and stone apaplasm.







Page No. 24
Date Page No. \* Cytoskeleton: It is an elaborate network. of proteinaceous structure consist of microtubule, Microfilaments and intermediate filaments. present in cyloplasm called. cytoskeleton. \* Cilia and Flagella: an acrobic sespication. -> Cilio and Hagella are hair like growth of the cell membrane. henre they were salled as 7 Est Cilia are small structure cause movement of the cell. Hagella is longer and it is also responsible for cell movement. They have springer springer which is responsible for specific colores

