· Occurs an deploid cells M Phase :- (Mitosis of chronosomes Eg Yeast In M-place (Mitatio phase) the daugher cells recieve some Agraal amount of chromosomes (2n earls) or DNA (2ceal)
Hence, it is also Equational cell division [ rainfaining same of 1 Prophase; Farly prophase: X->X · Condensation of chromosome to form chromatid & 7 & .

· Nuclear membrane /envelope breaks down [2 chromatid=down contressomes (which underwent allylication in Sphase) will begin to move towards opposite poles of the cell (3)  $\begin{pmatrix} \bullet \\ \bullet \end{pmatrix} \rightarrow \begin{pmatrix} \bullet \\ \bullet \end{pmatrix}$ Later prophase: · The centrosemes will occupy opposite pole regions and give risk to askers (Helps in attachment of spirale fibres) The 46 chromosomes will larg themselves onto the spindle films with the help of their kinetocokones 2. Metaphase: The The complete disentegration of the mudiar envelope starts the 2 phase of mitoris, hence the chronosomer are spread through the cytoplasmof the cell. · The chromosomes in spindle fibres align themselves along the straight equator of the cell scalled metaphase plate Hetaphane plate

3 Anaphase : Anaphase.

Contrometer split and chromatids seperate

The seperated chromatid more towards opposite poles since the spinlle

filters will carry each chromatid towards the opposite poles.

The chromosenes split and chromatid towards the opposite poles.

The seperated chromatid towards the opposite poles.

The chromosenes split and chromatid towards the opposite poles. y Telophase :- (Opposite of Prophase) · Chromosomes cluster at opposite poles
· The spindle filter and asters discentegrate to
· Nuclear membrane/envelope reappear abound chromosome cluster · Chromostids will town unwind to form then spindle fibres · Nucleous, golgi complex and El reform. 1, 2, 3, 4 - Karyokinesi · Plarma mentione constricts invard · Plantana membrane constricts outwards (cell plate formation takes place from the center This movement is called Contripetal This movement is called Centrifugal It which of the following duplicates in the cytoplasm during S-phase for Centricle In Nucleus, DNA replication takes place (b) DNA In Cytoplasm, Centroles duplication lakes place (d) (prematides