

Practical Exam:

- 1- Sheet on :** Botanical preparation, Microtechniques, Mode of action of Feulgin stain, Stain and Microtome. It may consists of : Definitions, comments, preparations, complete, advantage and disadvantages, scientific term. You must know the examples too.
- 2- Slides and photos on:** Mitosis, Meiosis and aberrations.
 - In Mitosis and Meiosis, you must know name of phase, to what division it belongs, draws and label, describe the events (nuclear memb., nucleolus, spindle and main event), chromosome number and structure (monad, dyad, tetrad), chromatids no., centromere no.
 - In aberration, you must know the type of aberration, to what disturbance it belongs, description.
- 3- Problems on:**
 - Cell Cycle (MI and Duration), you must know the equation, definitions, comments
 - Mendel and Chi square

Final Exam: (Part 1)

- 1- Lecture1: both parts as +**
- 2- Lecture 2 and 3:** Cell Cycle, Mitosis and Meiosis
 - Draw the Cell Cycle: insert in it the stages (name and signs) with their functions and the checkpoints (name) with their functions
 - Regulation: how it happens and how it stops
 - The main events, protein involved, importance, applications of Mitosis and Meiosis
 - Phragmosomes and phragmoplast
- 3- Lecture 4 and 5:** Examples, Give reasons, comparison, draws, examples,