## SHREE H. N. SHUKLACOLLEGE OF SCIENCE

(AFFILIATED TO SAURASHTRA UNIVERSITY)

(AFFILIATED TO SAURASHTRA UNIVERSITY) Shree H.N. Shukla College CampusNr. Lalpari lake, Behind old Marketing Yard, Amargadh, Bhichari, Rajkot-360001, Ph. No-9727753360



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## Practicals for Paper No 201- (Cell Biology):

Credit: 3

- 1. Staining and Visualization of plant cell.
- 2. Staining and Visualization of animal cell.
- 3. Identification of different stages of mitosis in onion root tip.
- 4. Identification of different stages of meiosis in grasshopper testis.
- 5. Micrographs of different cell components (dry lab).

6. Preparation of liver homogenate using Glass-Teflon homogenizer and Isolation of sub cellular organelles from liver homogenate by differential centrifugation

- 7. Preparation and Observation of Bacterial Protoplast.
- 8. Power point presentation/ Scientific Essay / poster making (Card Sheet).

## Reference Books for Paper No 201(Cell Biology):

- 1. Molecular biology of the Cell by Albert's et al., Garland publication Inc NY and London.
- 2. Molecular biology by Lodish, scientific American books.
- 3. Cell and Molecular biology (8th Ed) by De Robertis&Robertis. Lippincot Williams & Wilkins, Philadelphia.

- 4. Biochemistry by Donald Voet&JudithVoet, John Wiley & sons.inc, NY.
- 5. Biochemistry by Geoffrey Zubay, McGraw Hill.

6 Hours / Week

"Sky is the Limit"

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