

U.G. 1st Semester Examination - 2021
Molecular Biology and Biotechnology
[HONOURS]
Course Code : MBBT102(P)-CCR-2
[PRACTICAL]

Full Marks : 20

Time : 2 Hours

The figures in the right-hand margin indicate marks.

1. Write down the staining procedure of temporary preparation of root tip of Onion for mitosis. Explain the procedure of preparation of 2% Aceto Orcein stain. 3+2=5

OR

Write down the features of Metaphase I and Anaphase II stages of meiosis of Grasshopper testis. What is DPX? 4+1=5

2. Write down the identifying features of Ovary tissue following double staining. What is the role of mounting agent? 3+2=5

OR

Write down the principle and procedure of study of plasmolysis in *Rhoeo*. What is the difference

between hypotonic and hypertonic solution?

4+1=5

3. Lab Note Book/ Online submission of practical based home assignments. 5
4. Viva-voce / Continuous internal evaluation. 5

[Turn Over]