

U.G. 3rd Semester Examination - 2020
Molecular Biology & Biotechnology
[HONOURS]
Course Code : MBBT301(P)/CCR-5
[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. Why heat fixation step is applied in Acid Hydrolysis? 3+2=5

OR

Write down the features of Metaphase I stage of meiosis of Grasshopper testis. Comment on the mode of separation chromosomes in Anaphase I of Grasshopper. 3+2=5

2. Suppose you have been provided 16 plants and out of which 56% are having purple colored flowers and 43.75% are having white colored flowers. Comment on the nature of inheritance of the color trait with proper representation. 5

OR

Suppose you have been provided with human squamous epithelial cells. Describe the procedure of preparation of slides for demonstration of Barr Body from the sample. What do you mean by translocation homozygotes? 3+2=5

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

[Turn over]