**B.Sc. DEGREE EXAMINATION,ODD SEMESTER 2020**
**III Year V Semester**
**Genetics and Plant Breeding**

**Max.marks :25**

Answer any **FIVE** questions $(5 \times 5 = 25)$ Marks

1. Explain Supplementary gene interaction with an example.

2. Write short notes on sex determination in plants.

3. Illustrate and explain the concepts of crossing over.

4. Write short notes on gene therapy.

5. Briefly explain polyploidy and its application in plant breeding.

6. With examples explain polygenic inheritance.

7. Briefly describe the characteristics features of Klinefelter's syndrome.