Midterm questions on discipline “**Basics of biotechnology**

Module Plant **biotechnology**

1. The aim of Plant biotechnology. Basic direction in Plant biotechnology. Cell technologies for receiving important products derived from plant material
2. History of Plant biotechnology
3. The scope of plant biotechnology
4. Describe of protoplast fusion and its use.
5. Characterize Plant Tissue Culture Micropropagation technologies of plants. Technology for production of virus-free plants.
6. Show Techniques and major Steps of Tissue Culture?
7. Types, Techniques and Process The application of plant tissue cultures
8. Present Seed Culture
9. Embryo Culture
10. Callus Culture
11. Describe the methods of organ culture
12. What is a Meristem Culture
13. Methods of Fertilization in vitro. Haploid technology
14. What is cell selection?f
15. Somatic Hybrids: Strategies | Biotechnology
16. Present the applications of cell culture
17. What is genetically Engineered Plants?
18. Describe a production of doubled haploid (DHs)
19. Show applications of doubled haploid (DHs) in plant breeding?
20. Show the steps of process genetic engineering