

**CLASS: X BIOLOGY**

1. What is a plant tissue culture?
2. Who is known as the father of tissue culture?
3. What is plant tissue culture also known as?
4. What is totipotency?
5. How is plant tissue culture carried out?
6. What are the major steps in plant tissue culture?
7. What are explants?
8. What is a mother plant?
9. What types of explants are used in plant tissue culture?
10. What are the advantages of tissue culture?
11. Name few commercial crops propagated through tissue culture techniques.
12. Why do tissue culture plants show resistance to pest and diseases?
13. What are the components of plant tissue culture media?
14. What is the role of Auxin and gibberelins in plant tissue culture?
15. List the factors affecting plant growth during tissue culture.