

UNIT 20 - BREEDING AND BIOTECHNOLOGY**2/3 MARKS:**

1. What are the aims of crop improvement?
2. What is green revolution?
3. Name the high yielding varieties of wheat and rice.
4. What is biofortification?
5. What is clone?
6. Name the methods of plant breeding for crop improvement.
7. What is polyploidy breeding? Give examples.
8. Define mutation.
9. What are mutagens?
10. What is hybridization? Give examples.
11. Define the terms: inbreeding and out breeding.
12. What is Heterosis or Hybrid vigour? Mention the effects.
13. What is genetic engineering?
14. What is plasmid?
15. Name the enzymes involved in genetic engineering.
16. What is gene therapy? Mention the types.
17. What are stem cells? Mention the types.
18. What is DNA finger printing technology?
19. What are transgenic organisms or GMO? Give examples.

5 MARKS:

1. Write a short note on selection.
2. Write a short note on Polyploid breeding.
3. Write a short note on Mutation breeding.
4. With a neat-labeled diagram, explain the techniques involved in gene cloning.