



BOTANY

1. Difference between Prokaryotic cell and Eukaryotic cell
2. What is aquarium and terrarium?
3. What are Gram negative bacteria and Gram Positive bacteria?
4. Differentiate flagella of Prokaryotes and flagella of Eukaryotes?
5. What does the Permeability of membrane depend?
6. Define Cytokinesis.
7. What are the stages of Mitosis?
8. Define Osmosis.
9. Are Cyanobacteria included in Eubacteria?
10. Define Hybridization.
11. Give an example of Hydrophytes, Mesophytes and Xerophytes.
12. Differentiate Tap root system and adventitious root system.
13. Define Retting of Fibres.
14. Basic difference between Light reaction and Dark reaction.
15. Define Bio-systematics.
16. What is Grafting?
17. Which element is used to store Pollen grains (Cyro preservation)?
18. What are the Biotic and Abiotic agents of Pollination?
19. How Ovule, Ovary and Egg are transformed after Fertilization?
20. Why Mendel is called as Father of Genetics?
21. Does environment play a role on sex determination in plants?
22. Define Single cell Protein.
23. Differentiate Viviparous animal and Oviparous animal.
24. What is the formula for Respiratory Quotient?
25. List any one uses of Auxin, Gibberellins and Cytokinin.
26. Define Pasteurization.
27. What are the final products of Kreb's Cycle?
28. Difference between Parenchyma, Collenchyma and Sclerenchyma.
29. Types of Cell division.
30. What is Legume? Give an example.
31. Define Eutrophication.
32. What are the uses of Gene Mapping?
33. What do you mean by Tyndall Effect?
34. List out the types of carbon.
35. What does the term Red tide signify?
36. Function of Lysosomes.
37. Define Bio-fortification.
38. What are the factors affecting the rate of transpiration?



39. How do plants excrete?
40. Shapes of bacteria.
41. What are the types of Chromosomal aberrations?
42. Define Messenger RNA.
43. What are the types of Chromosomal aberrations?
44. Define Stem cells.
45. Nucleotides of DNA and RNA.
46. Define Mutation.
47. Give some examples of Growth Inhibitors in plants.
48. What are the medium used in Plant Tissue Culture?
49. Define Eco-tone.
50. What are Chromosomes and its types?