

## PRACTICE TEST PAPER: CLASS-X HEREDITY AND EVOLUTION (X)

---

1. Who is known as the father of genetics?
2. Where are genes located in the cells? What is their function?
3. What is emasculation?
4. In Mendel's dihybrid experiment what was the proportion of these characters in  $F_2$  generation?
5. In Mendel's dihybrid experiment what was the proportion of these characters in  $F_2$  generation?
6. What are fossils? How do we get estimate time with this?
7. Who gave the theory of natural selection?
8. What are Analogous Organs and homologous organs?
9. How does the creation of variation in a species ensure survival?
10. How does one can show that trait may be dominant or recessive?
11. How is the sex of the child determined in human beings?
12. What are the different ways in which individuals with particular traits may increase in a population?
13. Why are traits acquired during the life time of an individual not inherited? Explain the examples?
14. List the factors responsible for the rise of a new species?
15. Will geographical isolation be a major factor in the speciation of an organism that reproduces asexually? Why or why not?
16. Give an example of characteristic being used to determine how close two species are in evolutionary terms?
17. What are inherited traits? How do these differ with acquired traits?
18. How morphological and anatomical evidences provide evidences in favour of organic evolution? Explain.
19. What are paleontological evidences of evolution?
20. Is the humans are most modified organism. Give your reason?