

PRACTICE TEST PAPER: CLASS-X HEREDITY AND EVOLUTION- 10TH

1. Explain variation occurring in asexual reproduction.
2. What is meant by dominant and recessive genes?
3. Explain how characteristics are inherited through genes.
4. Where are genes located? What is the chemical nature of genes?
5. What is the dihybrid cross? What law Mandel inferred from the study of dihybrid cross up till F_2 generation.
6. Why are the traits acquired during a life time of an organism not passed on to the progeny?
7. What are analogous organs? Give an example.
8. How do homologous organs provide evidence in support of evolution?
9. In human beings, the statistical probability of getting either a male or female child is 50:50. Give a suitable example.
10. How many chromosomes does a sperm or an egg carry? What would happen if each gamete carries same number of chromosomes as the somatic cells have?
11. A very small population of a species faces a greater threat of extinction than a larger population. Provide a suitable genetic explanation.
12. What is speciation? Give main reasons for the same.
13. What is meant by haploid organisms?
14. Can the wings of a butterfly and the wings of a bat be considered homologous organs? Why or why not?
15. Explain four evidences in favour of organic evolution.