

Important question (Principle of Inheritance)

1. Why Mendal Selected Garden pea plant or Pisum sativum for his experiment?
2. Explain Dihybrid cross with the help of example or law of Inheritance with the help of example
3. Explain Inheritance of blood group ABO
4. Explain Sex determination in (a) Human beings (b) Drosophila (c) Grass hopper (d) Birds
5. Differentiate between Linkage and Crossing over
6. What is Phenotypic and Genotypic ratio of Monohybrid and Dihybrid?
7. Explain Chromosomal theory of Inheritance
8. Explain Pedigree analysis
9. Explain Mendalian disorder with the help of (a) Colour blindness (b) Haemophilia (c) Sickle cell anemia (d) Phenyl Ketunoria
10. Explain Chromosomal disorder with the help of (a) Down Syndrome (b) Klinfelter Syndrome (c) Turner syndrome
11. Differentiate between
 - (a) Aneuploidy and polyploidy
 - (b) Test cross and back cross

Important Questions (Evolution)

- (1) Explain Miller's Experiment and Natural Selection of Theory
- (2) Explain Homologous and Analogous organs with the help of examples
- (3) Explain Adaptive radiation with the help of two examples
- (4) Explain Industrial Melanism
- (5) Explain Hardy Weinberg Principle and its equilibrium
- (6) Explain Human evolution
- (7) Differentiate between Darwin Evolution and Hugo de Vries Evolution

(Molecular basis of inheritance Important questions will be available on 7th March 2019)

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