

CHAPTER -2 – CLASSICAL GENETICS

2/3 MARK QUESTIONS:

1. Name the 4 sub disciplines of genetics.
2. **Name the seven contrasting traits (Characters) of Mendel.**
3. Define the terms: Pure breed, hybrid.
4. What is heredity and variation? (Genetics)
5. Reasons for Mendel's success.
6. Why Mendel chose Pisum?
7. **What is emasculation?**
8. **Rediscoverers of Mendelian principles.**
9. **State the law of Dominance.**
10. **State the law of Segregation and Independent Assortment.**
11. What is reciprocal cross?
12. What is back cross?
13. **What is test cross?**
14. What is codominance?
15. **What is Pleiotropy? Give examples.**
16. **What is Atavism?**



5 MARK QUESTIONS:

1. **Explain Monohybrid cross.**
2. Explain Monohybrid back cross.
3. **Explain Dihybrid cross.**
4. Explain Dihybrid test cross.
5. **Explain Incomplete dominance.**
6. Write a short note on Lethal genes.
7. **Explain dominant epistasis.**
8. Explain polygenic inheritance.
9. **With a suitable example explain cytoplasmic (extranuclear) inheritance.**