

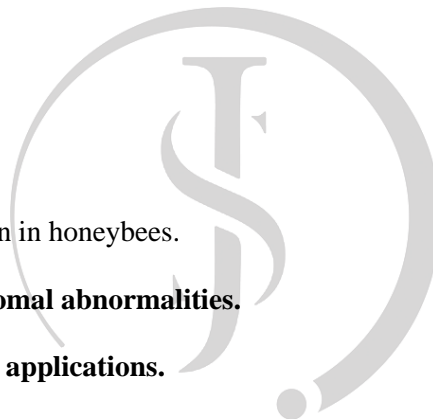
CHAPTER-4 – PRINCIPLES OF INHERITANCE AND VARIATION

2/3 MARK QUESTIONS:

1. **What is criss-cross inheritance?**
2. **What are holandric genes?**
3. **Mention the symptoms of Down's syndrome.**
4. Distinguish between heterogametic and homogametic sex determination systems?
5. Mention the symptoms of Phenylketonuria.
6. **What is haplodiploidy?**
7. What is null allele?
8. Explain Wiener Hypothesis.
9. Why are people with O blood group called as universal donors?
10. What is pedigree analysis?

5 MARK QUESTIONS:

1. Explain male heterogamety.
2. Explain the mode of sex determination in honeybees.
3. **Write a note on allosomal chromosomal abnormalities.**
4. **Write notes on Karyotyping and its applications.**



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* Questions in **Bold** are very important