

**Q1/ (3) marks**

Define the following

1. Chromatin
2. Allele
3. Homologous Chromosome
4. Recessive
5. Karyotyping.
6. Gene.

**Q2/ (4) marks**

How to detect Genetic disorders? Explain one of them by an example.

**Q3/ (4) marks**

What do mean by Mutation? Compare between Color Blindness & Hemophilia.

**Q4/ (4) marks**

Explain briefly the process of Transcription.

**GOOD LUCK**

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