

UNIT-II

1. (a) What is cell cycle? [2M]
(b) What is meiosis? [2M]
(c) Define mendel 1st & 2nd law. [2M]
(d) Give an account on dominant & recessive uses. [2M]
(e) what is gene mapping? [2M]

2. What are the three Laws of Inheritance proposed by Mendel? Explain Monohybrid cross. [10M]
3. Define gene Interaction. Give brief account on Dominant Epistasis With suitable example. [10M]

4. (a) Describe Complementary Gene Interaction. [5M]
(b) Give an account on Duplicate Gene Interaction. [5M]

5. (a) Explain Phenylketonuria. [5M]
(b) Explain about Albinism. [5M]

6. Explain Meiosis with diagrammatic representation. [10M]

7. Discuss on Gene Mapping. [5M]

8. Give an account on Law of Independent Assortment [Dihybrid cross] [5M]

9. What is Mitotic Cell division? Explain Mitosis with neat diagram. [5M]

10. Give an account on Down's syndrome. [5M]

11. How genetic material passes from Parents to offspring's? [10M]