



BIOLOGY

BOOKS - SUNSTAR BIOLOGY

(KANNADA ENGLISH)

II PUC BIOLOGY (P.U. BOARD LATEST

MODEL QUESTION PAPER - 2)

Part A

1. What is Perisperm?



[Watch Video Solution](#)

2. Name the oral contraceptive for the females developed by CDRI.



[Watch Video Solution](#)

3. Who disproved the theory of spontaneous generation?



[Watch Video Solution](#)

4. Name the diagnostic test which confirms typhoid.



[Watch Video Solution](#)

5. Name the pathogen which causes malignant malaria.



[Watch Video Solution](#)

6. What is the medical use of cyclosporin A?





[Watch Video Solution](#)

7. A restriction enzyme digests DNA into fragments. Name the technique used to check the progression of this enzyme and to separate the DNA fragments.



[Watch Video Solution](#)

8. State Allen's rule



[Watch Video Solution](#)

9. Define standing crop.



[Watch Video Solution](#)

10. How cryopreservation is useful in conserving biodiversity?



[Watch Video Solution](#)

Part B

1. What are meiocytes? Mention the chromosome number in meiocyte of human beings.



[Watch Video Solution](#)

2. Differentiate chasmogamous flowers and cleistogamous flowers.



[Watch Video Solution](#)

3. How are non medicated IUDS different from hormone releasing IUDS?



Watch Video Solution

4. Mention any four objectives of RCH.



Watch Video Solution

5. Mention the number of chromosomes found in the following cells of humans:

- (a) Primary oocyte
- (b) Secondary oocyte
- (c) Ootid
- (d) Follicle.



Watch Video Solution

6. What is multiple alleles? How do the multiple allele affect the organism?



Watch Video Solution

7. Distinguish between the template and coding strands of DNA.



[Watch Video Solution](#)

8. Mention two classes of nucleases. Suggest their respective roles.



[Watch Video Solution](#)

1. Name any three units of vegetative propagation in plants with the names of plants in which they are present.



[Watch Video Solution](#)

2. What is pedigree analysis? Draw schematic representation of Autosomal dominant trait (Myotonic dystrophy).



[Watch Video Solution](#)

3. State any three criteria which a molecule must fulfill to act as a genetic material.



[Watch Video Solution](#)

4. Explain mutation breeding with note on plants developed through mutation breeding.



[Watch Video Solution](#)

5. Mention any three features of vectors that are most suitable for the purpose of

recombinant DNA technology.



Watch Video Solution

6. What do you mean by biodiversity? What are the different types of Biodiversity?



Watch Video Solution

7. Explain how solid wastes can be disposed in different ways.



Watch Video Solution

8. With a neat labelled diagram explain the use of Electrostatic precipitator.



[Watch Video Solution](#)

Part D Section I

1. Explain the structure of mature female gametophyte with the help of a neat labelled diagram.



[Watch Video Solution](#)

2. What is menstrual cycle? Explain the phases of menstrual cycle.



[Watch Video Solution](#)

3. Explain the law of independent assortment with reference to seed shape and seed colour in garden pea plant.



[Watch Video Solution](#)

4. How did Hershey and Chase prove that DNA is the hereditary material?



Watch Video Solution

5. Explain Stanley - Miller's spark discharge apparatus experiment on the origin of life with a neat labelled diagram.



Watch Video Solution

6. Explain the components of a biogas plant with a neat labeled diagram.



[Watch Video Solution](#)

Part D Section Ii

1. Explain the life cycle of plasmodium with reference to malaria disease.



[Watch Video Solution](#)

2. Briefly describe the various steps involved in plant breeding.



Watch Video Solution

3. What are genetically modified organisms?
How are GM plants useful?



Watch Video Solution

4. Define the following terms and give one example for each:

Amensalism



[Watch Video Solution](#)

5. Define the following terms and give one example for each:

Parasitism



[Watch Video Solution](#)

6. Define the following terms and give one example for each:

Commensalism



[Watch Video Solution](#)

7. Define the following terms and give one example for each:

Resource partitioning



[Watch Video Solution](#)

8. Define the following terms and give one example for each:

Competitive release



Watch Video Solution

9. Draw the phosphorus cycle



Watch Video Solution