



BIOLOGY

BOOKS - OSWAAL BIOLOGY

(KANNADA ENGLISH)

SOLVED PAPER II PUC JULY -2016

Part A

1. Mention the function of sertoli cells of testes.



Watch Video Solution

2. What are plasmids?



Watch Video Solution

3. Name the hormone secreted by corpus luteum.



Watch Video Solution

4. Which bioactive molecule is used as an immunosuppressive agent?



[Watch Video Solution](#)

5. What are interferons?



[Watch Video Solution](#)

6. Name one microbe used in the production of single cell protein.



Watch Video Solution

7. Name the theory which attempts to explain 'origin of universe'.



Watch Video Solution

8. Define Biochemical Oxygen Demand (BOD).



Watch Video Solution

9. Name the diagnostic test for AIDS.



[Watch Video Solution](#)

10. State Gause's 'Competitive Exclusion Principle'.



[Watch Video Solution](#)

Part B

1. What are Hermaphrodites ? Give two examples.



Watch Video Solution

2. Write four symptoms of Down's Syndrome.



Watch Video Solution

3. What is adaptive radiation? Give example.



Watch Video Solution

4. Draw a labelled diagram of a Biogas plant.



Watch Video Solution

5. Alien species invasion leads to extinction of indigenous species' - Justify this statement by considering two animals as examples.



Watch Video Solution

6. What is Ex-Situ conservation? Mention two examples.



Watch Video Solution

7. What is cross-breeding? Name a new breed developed by crossing Bikaneri ewes and Marino rams



Watch Video Solution

8. Mention two techniques to make Host competent in r-DNA technology.



[Watch Video Solution](#)

Part C

1. Write the Homozygous Genotype of 'A', 'B' and 'O' blood groups.



[Watch Video Solution](#)

2. Explain the structure of matured pollen grain.



Watch Video Solution

3. Name the vegetative propagules of the following plants.

a) Agave

b) Ginger

c) Bryophyllum



Watch Video Solution

4. Name the vegetative propagules of the following plants.

a) Agave

b) Ginger

c) Bryophyllum



[Watch Video Solution](#)

5. Name the vegetative propagules of the following plants. (a) Agave.

(b) Ginger.

(c) Bryophyllum.



Watch Video Solution

6. Differentiate between homologous and analogous organs by giving plant example.



Watch Video Solution

7. Draw a net labelled diagram of simple stirred tank bioreactor.



[Watch Video Solution](#)

8. What are biogeochemical cycles? Mention two types by giving an example for each.



[Watch Video Solution](#)

9. Name the pathogen, vector and symptom of malaria.



[Watch Video Solution](#)

10. Write the diagrammatic representation of pyramid of energy.



Watch Video Solution

Part D

1. Describe the structure of anatropous ovule with labelled diagram.



Watch Video Solution

2. What contraception ? Briefly explain two barrier methods and two surgical methods, to prevent conception.



Watch Video Solution

3. What is incomplete dominance? Explain inheritance of flower colour in snapdragon.



Watch Video Solution

4. Explain working of Lac-operon with diagrammatic representation.



[Watch Video Solution](#)

5. List out the salient features of double helix model of DNA.



[Watch Video Solution](#)

6. Draw a neat labelled diagram of sectional view of human female reproductive system.



Watch Video Solution

7. Give the meaning of the following terms :

Explant



Watch Video Solution

8. Give the meaning of the following term :

Totipotency



Watch Video Solution

9. Give the meaning of the following term :

Somaclones



Watch Video Solution

10. Give the meaning of the following term :

Somatic hybrids



Watch Video Solution

11. Give the meaning of the following terms :

Micropropagation



Watch Video Solution

12. Explain the role of microbes in household food products.



Watch Video Solution

13. What is population growth? Explain factors responsible for fluctuating population density.



Watch Video Solution

14. One of the applications of biotechnology is the production of insect resistant crop plants."

Justify the statement with reference to Bt-cotton.



Watch Video Solution

15. Discuss the causes of global warming and ozone-layer depletion



Watch Video Solution