



BIOLOGY

BOOKS - SUNSTAR BIOLOGY (KANNADA ENGLISH)

II PUC BIOLOGY ANNUAL EXAM QUESTION PAPER MARCH - 2019



Define reproductive cycle. Name the reproductive cycle that occur in non-primates.
 Watch Video Solution

2. Name the layer of the uterus that exhibits

strong contractions during parturition.

3. Mention the total number of chromosome

in human. Which chromosome of man has the

least number of genes?



4. Write the infectious forms of Plasmodium which enter human body through mosquito

bite. What disease does it cause?



5. Define hybrid. Given an example for an inter-

specific hybrid animal.

| | Watch Video Solution |
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6. Write the scientific name of the source organism for citric acid. To which kingdom does it belongs to?

7. Mention a gene that codes for insecticidal protein in Bt cotton. Name the protein it codes for.



8. Define plasmid. Name the plasmid extracted

from Agrobacterium tumefaciens.



9. What is the main aim of Montreal Protocol?



10. Define ecosystem. Name the type of food

chain i.e the major conduit for energy flow in

an aquatic ecosystem.





1. What is embryogenesis? Mention two important events that occur during embryogenesis.

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2. Define point mutation. Give an example for

point mutation.

3. What are the conclusions drawn by T.H. Morgan from the crossing experiment in Drosophila with respect to linkage?



4. What are allergens? Name the two chemicals realised by mast cells in the body during allergy

5. Write the four traits for which plant breeding is done. Watch Video Solution 6. With an example, explain the convention for naming restriction endonucleases scientifically.

7. A prey develops defence against a predator.
Justify the statement with two examples in animals and plants.



8. Mention any two mechanisms how human

body compensates low oxygen availability at

higher altitude.





1. Write three advantages offered by the seeds

of angiosperms.

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2. Draw neat labeled diagram of the sectional

view of human mammary glands.

3. How DNA is the better genetic material than RNA. Mention an organism with RNA as genetic material.

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4. Enumerate on convergent and divergent evolution with suitable examples in animals.

5. What are carcinogens? Mention any two

groups of carcinogens with one example each.



6. Mention four tools required for recombinant DNA technology

b. With reference to gel electrophoresis, what

is elution?



7. What is ecological pyramid? Ecological pyramids have limitations. Justify the statement with three reasons.

Watch Video Solution

8. Describe three factors which affect on decomposition.



 What is megasporogenesis? Explain the development of eight nucleate embryosac in flowering plants.



2. What are Contraceptives? Explain four

different non-surgical contraceptive methods.



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

4. Explain five benefits of creating transgenic animals.



5. Tropical region has greater biodiversity than

temperate region. Justify the statement with

three reasons.



6. Elaborate CNG. The use of CNG is better that

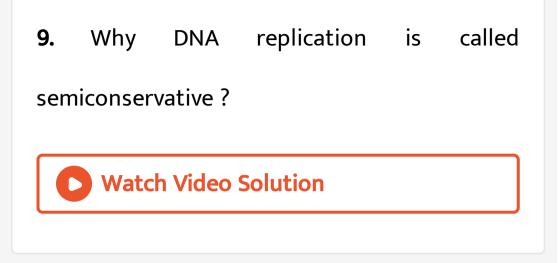
petrol or diesel. Give four reasons.



7. Write the schematic representation of spermatogenesis.
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8. Whrere does fertilization occur? Write the two events that occur in the ovary and uterus during the follicular phase of menstrual cycle





10. Draw a neat labelled diagram of Miller's

experiment



11. Name any two theories of origin of life.
Mention two assumptions of oparin and
Haldane with reference to "origin of life"



12. Name the technology that can successfully increase the herd size of cattle in a short time and explain the steps involved in the technology



13. What is biodiversity depletion? four "Evil Quartet" which cause depletion of biodiversity

Watch Video Solution

14. Define abiotic stress. Write two suspended activities in animals against abiotic stresses with suitable examples

15. Among vertebrates and invertebrates which group of animals has the highest number in global biodiversity.