



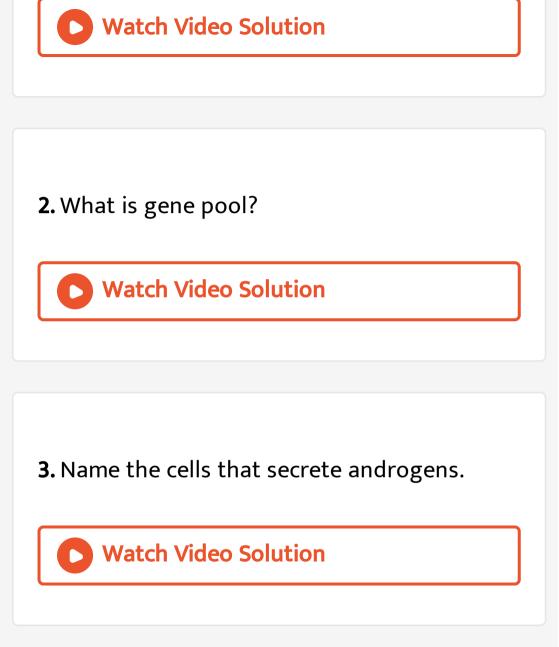
BIOLOGY

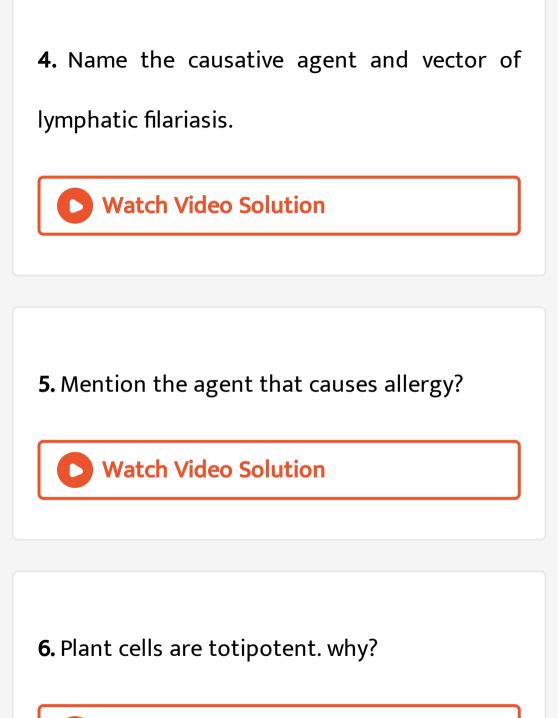
BOOKS - SUNSTAR BIOLOGY (KANNADA ENGLISH)

II PUC BIOLOGY ANNUAL EXAM QUESTION PAPER MARCH - 2014



1. What is ovulation?





7. Mention the bacterium responsible for the

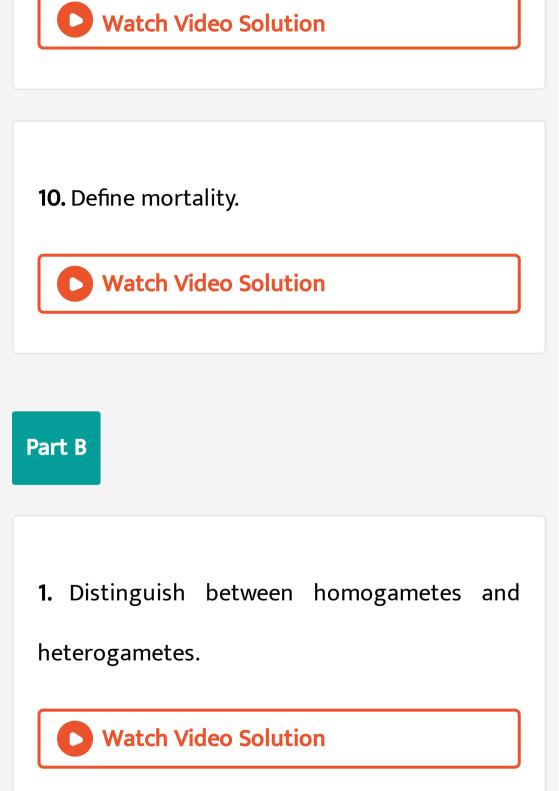
large holes seen in Swiss Cheese.



8. Define PCR. Mention its application.



9. What is global warming?



2. What is test cross? Mention its significance.



3. Write a note on selection of plants among the progeny of the hybrids, with desired recombination of characters.

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4. What are homologous organs? Mention any

two examples.

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5. What is immunity? Differentiate between

active immunity and passive immunity.

6. Draw a neat labeled diagram of stirred tank

bioreactor.

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7. Introduction of some alien species causes biodiversity loss. Justify the statement with an example .

8. What are sacred groves? Mention any two examples. Mention its role in conserving biodiversity.

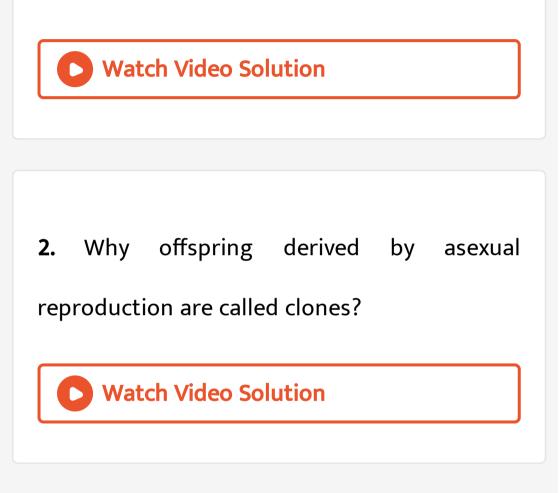




1. (a) What are hermaphrodites? Mention one example,

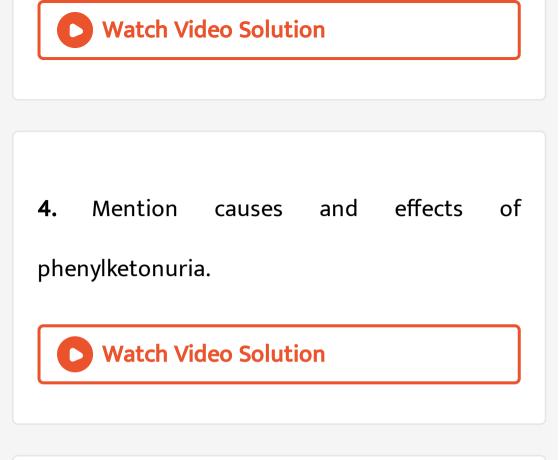
(b) Offsprings of usexual reproduction are

called clones. Why?



3. Name the male gamete in a flower. Explain

its structure.



5. List the period, brain capacity and probable food of Homo erectus stage of human evolution.

6. Mention the different steps of process of

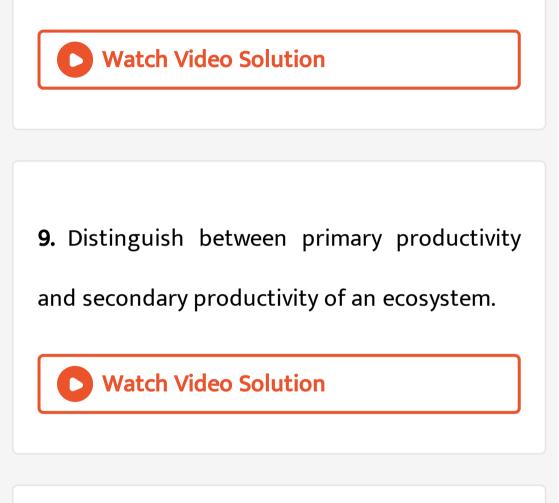
recombinant DNA technology.

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7. (a) Draw an ideal pyramid of energy and

mention the units. (b) What is a Lithosere ?

8. What is an ecological succession?



10. Define food web?

11. Describe the ill-effects of drug abuse in males and females. Also mention the preventive measures that is to be taken to reduce such effects.

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Part D Section I

1. Describe the out breeding devices that

prevent the auto-gamy.

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2. Draw a neat labelled diagram of human

sperm.



3. What is medical Termination of pregnancy?
Mention the safe period for medical
Termination of pregnancy.



4. Name any two sexually transmitted disease.

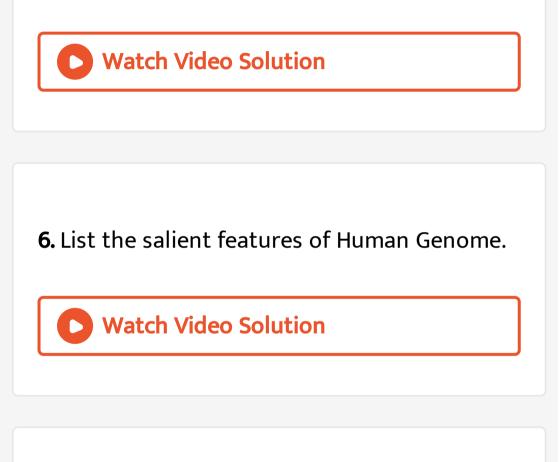
Mention three methods to prevent sexually

transmitted diseases.



5. Write the schematic representation of

dihybrid cross and mention the result.



7. Mention the steps involved in DNA fingerprinting.





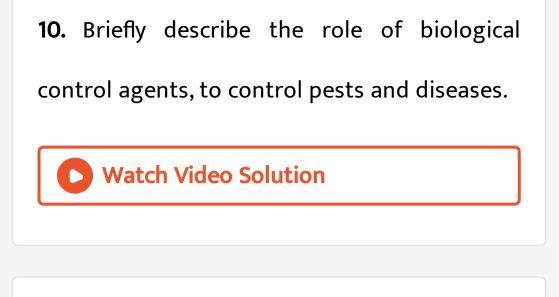
8. Discuss the MOET technique of animal

breeding.

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9. Differentiate between inbreeding and

outbreeding

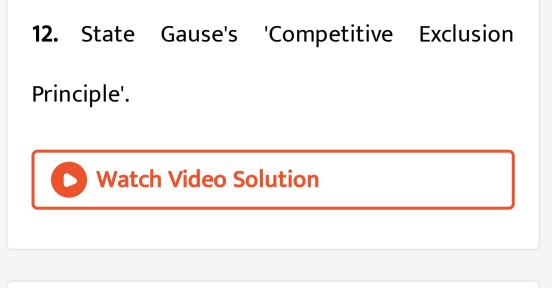


11. One of the applications of biotechnology is

the production of insect resistant crop plants,

Justify the statement with referance to Bt. Cotton.

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13. Mutualism is a method of population

interaction. Explain with examples.



14. Define pollution. With reference to water pollution, explain biochemical oxygen demand, algal bloom, biomagnification and eutrophication.