



BIOLOGY

BOOKS - SUNSTAR BIOLOGY (KANNADA ENGLISH)

II PUC BIOLOGY ANNUAL EXAM QUESTION PAPER MARCH - 2016



1. Name the molecular scissors used in recombinant DNA (rDNA) technology. Watch Video Solution 2. What are sonaclones? Watch Video Solution

3. Define reforestation

4. Name the enzyme by which the HIV genome

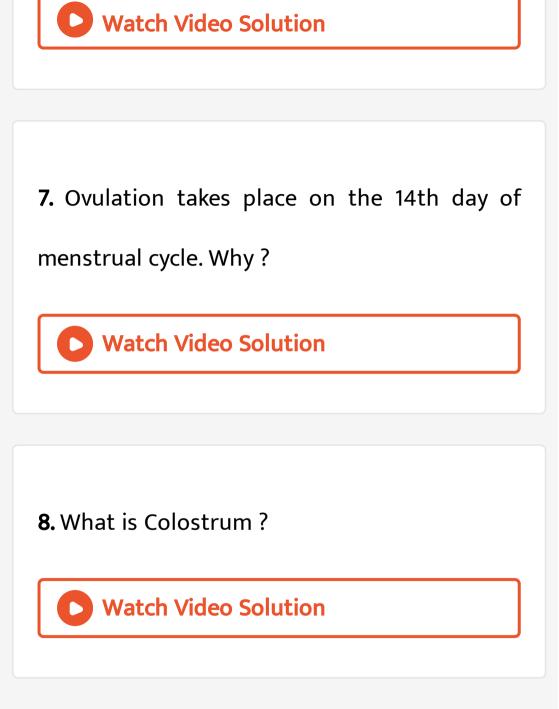
replicates in the host cell.



5. What is menarche?



6. Name the disease diagnosed by Widal test.



9. How do some species of insects and frogs

avoid being detected easily by the predators ?



10. Mention the use of statin.



1. What is inbreeding depression ? How is it controlled ?
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2. Define biodiversity Write any two types of

biodiversity.

3. Why has T.H. Morgan selected fruit flies for

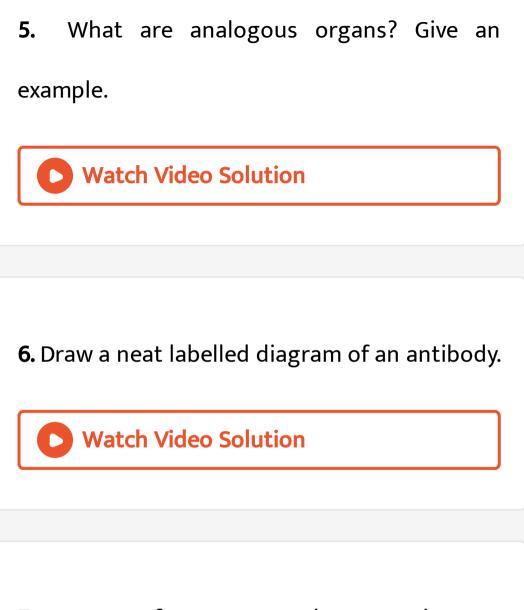
his genetical experiments ?

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4. Differentiate seasonal breeders from

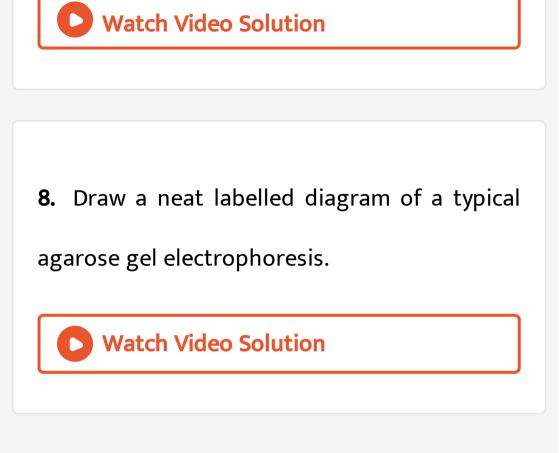
continuous breeders.





7. Name any four recent extinct organisms as

per IUCN Red list

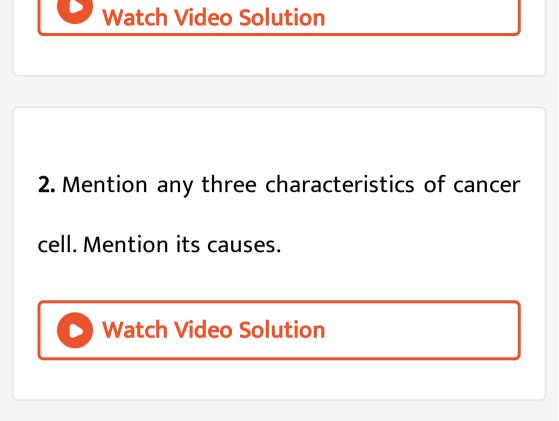




1. Explain in brief the separation and isolation

of DNA fragments.





3. What is ecological succession ? Distinguish

primary succession from secondary

succession.

4. What is parthenogenesis? Give two examples.
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5. State Hardy - Weinberg principle. Mention any two factors that effect Hardy - Weinberg equilibrium. Write its equation.



6. What is artifical hybridisation? By which

technique is it achieved ?

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7. With reference to ecological succession define the following terms :

I)Climax community ii) Sere(s) iii) Pioneer

species.

- **8.** Write the karyotype of the following syndromes:
- i) Down's syndrome ii) Klinefelter's syndrome
- iii) Turner's syndrome





1. List the salient features of Human Genome.



2. Explain the process of translation in protein

synthesis.

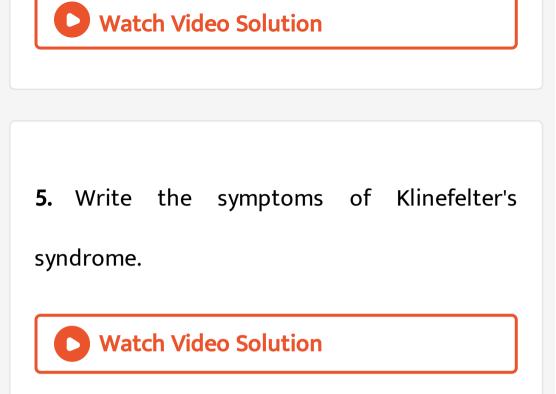
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3. Draw a neat labelled diagram of sectional

view of human female reproductive system.

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4. What are multiple alleles ? Give an example.



6. What is infertility? How is infertility treated

by assisted reproductive technologies like GIFT

and ICSI ?



7. Explain the structure of megasporangium.

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8. Write a brief account of functioning of

'Electrostatic Precipitator' with diagram.

9. (a) what is Gene theraphy ? Give an example

(b) Write a note on biography with reference

to 'Basmati Rice' .

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Watch Video Solution

10. Write a note on Biopiraey with reference

to'Basmati Rice'.

11. What is inbreeding ? Mention the

significance of inbreeding.

O Watch Video Solution

12. Explain the role of microbes in 'Industrial Products'.

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13. What is adaptation?





14. Write the causes and symptoms of 'Altitude

sickness'.



15. What is 'Brood Parasitism' ? Give an example.