



BIOLOGY

BOOKS - SUPER COMPANION 5 IN 1

SUPPLEMATERY EXAM QUESTION PAPER MARCH 2018

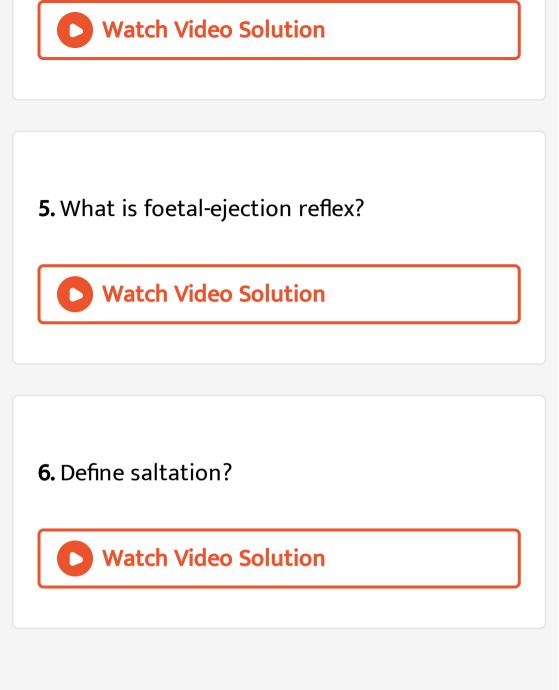


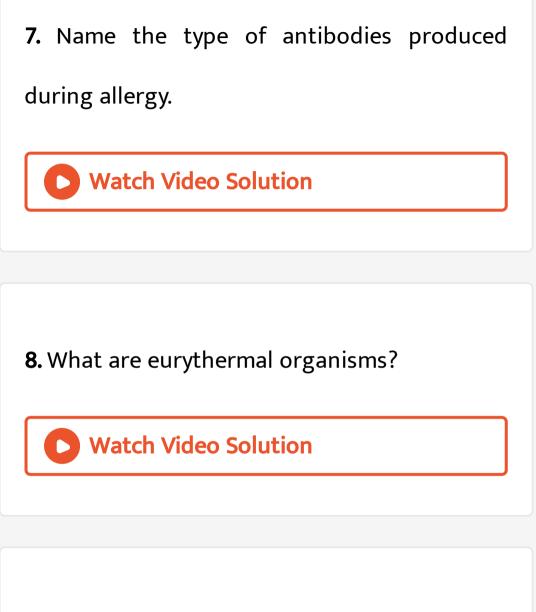
1. Define implantation.

2. Write the restriction site of EcoRI enzyme.

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3. What is totipotency?	
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4. Mention the role of Methanobacterium in rumen of cattle.





9. Define Biomagnification.

10. Write the name of toxic substance responsible for fever and chill in Malaria.





1. Distinguish between homogametes and

heterogametes.



2. Mention any two examples of evolution by

anthropogenic action.



3. Distinguish between homozygous and

heterozygous plants.

4. What is innate immunity? Mention the four

types of barriers of innate immunity.



5. Which are the important components of

Poultry Farm Management?



6. Write the methods to introduce alien DNA

into Host cells.

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7. Define Endemism. Name any two regions of

accelerated habitat loss in India.

8. Alien species invasion leads to extinction of

indigenous species' - Justify this statement by

considering two animals as examples.





1. Mention the vegetative propagules of the following plants.

(a) Water Hyacinth (b) Agave (c) Banana





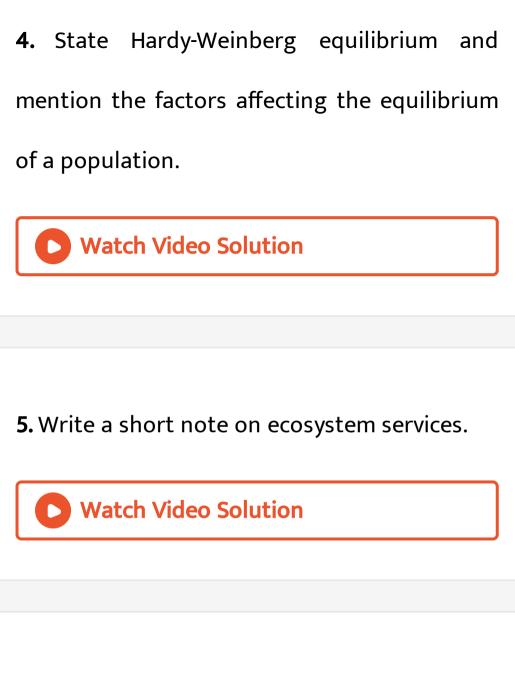
2. Draw a neat labelled diagram of T.S of young

Anther.

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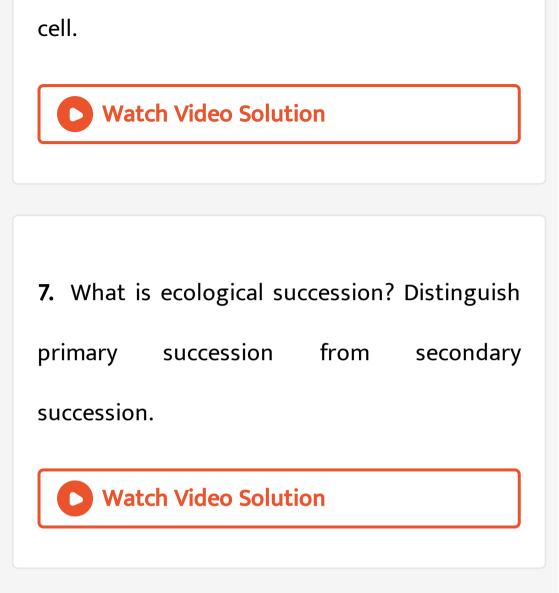
3. Describe Haplodiploid sex determination

system in Honey Bees.

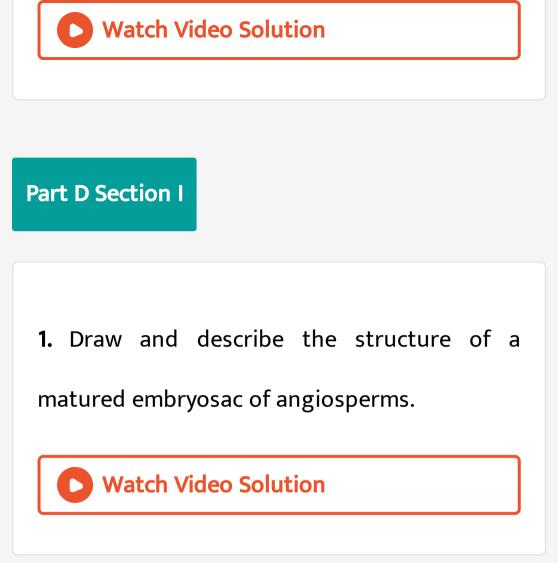


6. Sketch the diagrammatic representation of

the Replication of Retrovirus inside an animal



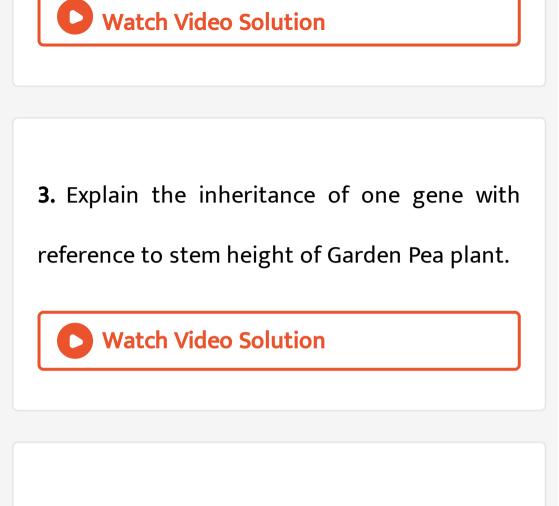
8. Draw a neat labelled diagram of plasmid pBR322.



2. Draw a neat labelled diagrammatic sectional

view of female reproductive system.





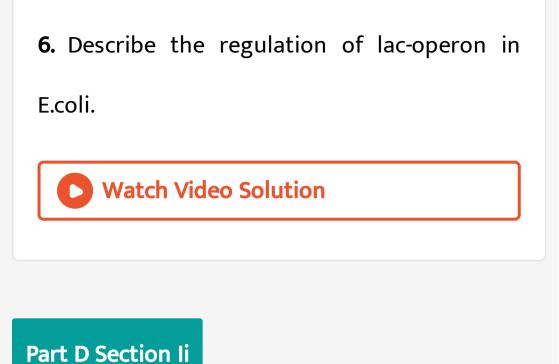
4. (a) What are the features of an ideal contraceptive?
Mention the natural methods of contraception.





- 5. Explain the following terms :
- (a) Inbreeding depression
- (b) Interspecific hybridisation
- (c) Biofortification
- (d) Micropropagation
- (e) Somaclones.





 Oswald Avery and others have continued Griffth's transforming principle to prove DNA as genetic material. Substantiate.

2. Describe the role of Microbes in sewage treatment plant.



3. One of the applications of biotechnology is

to get pest resistant plants. Justify the

statement with reference to Bt. cotton.

4. (a) What are Ectoparasites and Endoparasites?
(b) List any three parasitic adaptations in animals.

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5. Write a note on the following :

(a) Radio active wastes

(b) Joii.t forest management.