



## BIOLOGY

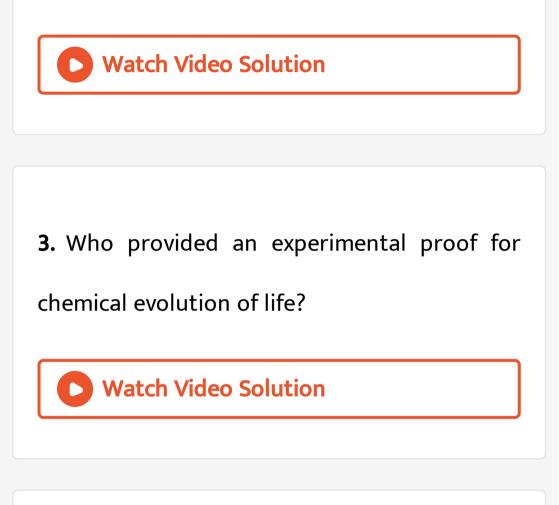
### **BOOKS - SUPER COMPANION 5 IN 1**

# **PUE MODEL QUESTION PAPER 2**



1. What is a staminate flower?





**4.** Name the causative organism of ringworms.

### **5.** What are oncogenic viruses?

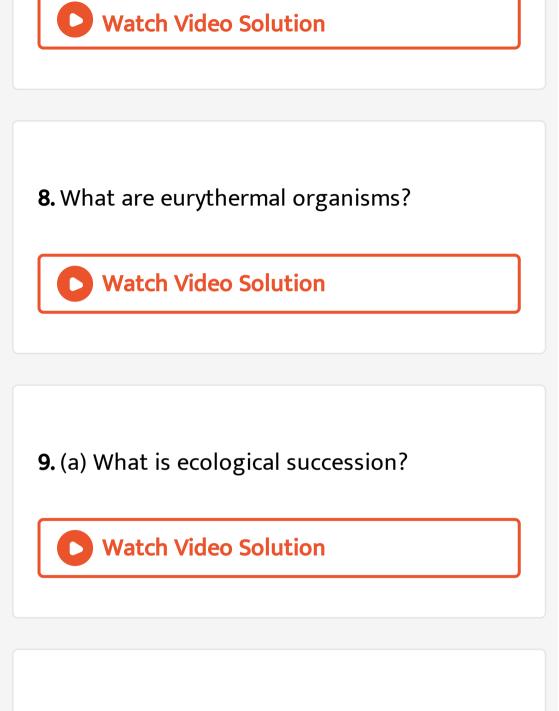
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6. Name the bioactive molecule used in organ

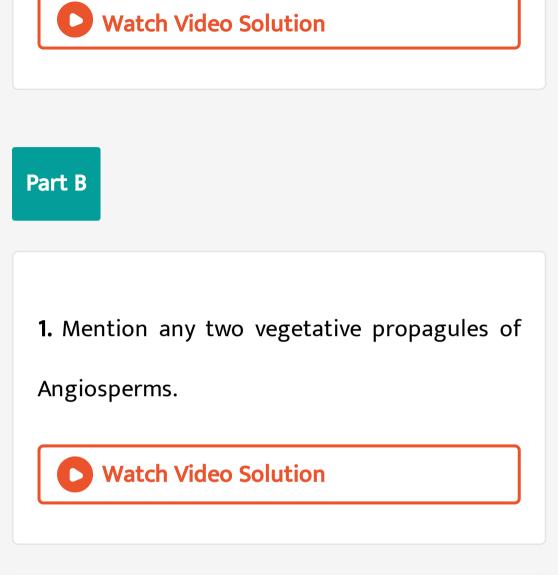
transplantation.



7. Write the function of DNA ligase.



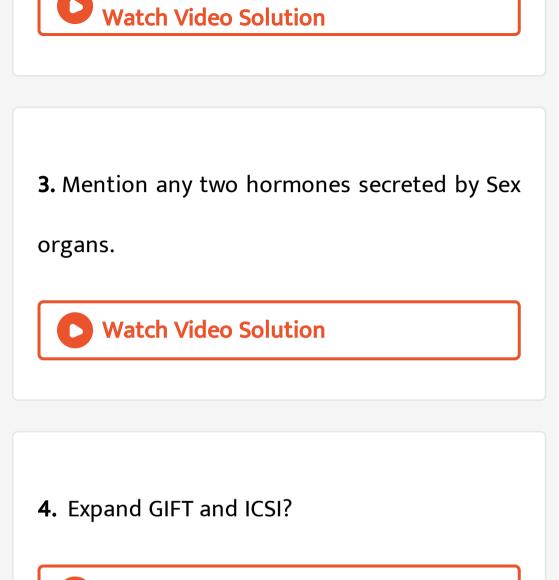
10. Define Endemism.



2. Differentiate between chasmogamous and

cleistogamous flowers.





5. What are the measures one has to take to

prevent from contracting STDs?



**6.** What is male heterogamety? Give an example.



7. Name the technique involved in separation and isolation of DNA fragment. Which dye is used to stain gel to make the DNA visible under UV light.

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8. With reference to transcription define.

(a) Splicing (b) Capping



1. What is asexual reproduction? Mention any

two types.



2. Write karyotype of Kline felter's syndrome.

Mention any two symptoms.

3. List out any three important goals of Human

Genome project.



**4.** Give the meaning of the following terms.

(a) Explant (b) Totipotency ( c ) Somaclones (

d) Somatic hybrids € Micropropagation.





6. Write any three effects of Global Warming.

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7. Write the major causes of biodiversity

losses.

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### Part D Section I

- **1.** Define the following:
- (a) Eutrophication
- (b) Biological magnification
  - (C) Biochemical oxygen demand.



State the law of independent assortment.
 Write schematic representation of dihybrid cross.



3. Explain two salient features of genetic code.



- **4.** Explain the following terms:
- (a) Adaptive radiation
- (b) Founder's effect
- (c) Homologous organs
- (d) Analogous organs
- (e) Saltation



5. List the harmful effects caused by alcohol

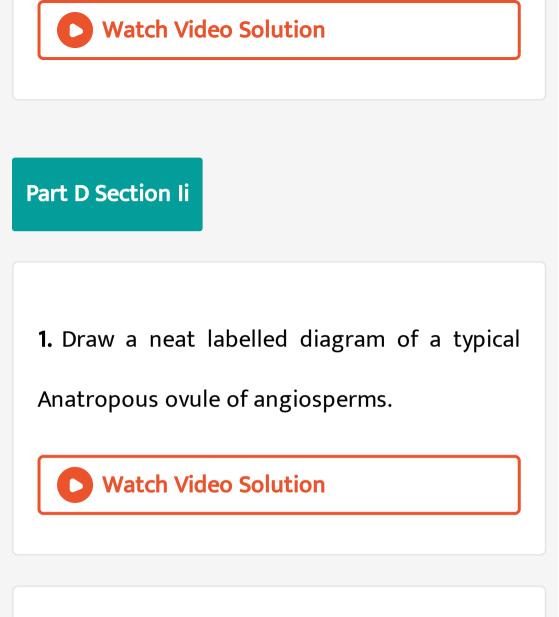
drug abuse.



6. (a) How do multiple ovulation and embryo transfer (MOET) technology helps in increasing the heart size?
(b) Mention any two microbes as a source of SINGLE CELL PROTEIN.

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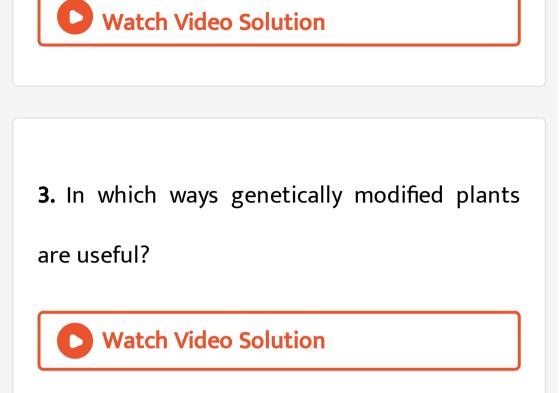
**7.** Describe the role of microbes as biofertilizers.



2. What is Spermatogenesis ? Explain the

process of spermatogenesisi.





4. Mention Five population interactions with

an example each.



5. Draw a schematic representation of the

phosphorous cycle.

