

## **BIOLOGY**

## BOOKS - OSWAAL BIOLOGY (KANNADA ENGLISH)

**II PUC MARCH-2017** 

Part A

1. What are hermaphrodites?



**2.** Mention the asexual reproductive structure in sponges.



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3. What is Euchromatin?



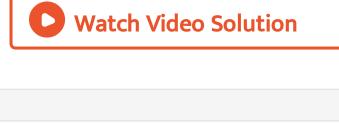
**4.** Why DNA replication is called semiconservative?



**5.** Name the microbe used in the production citric acid.



**6.** What is Micro-Injection



7. Define mortality?



8. Give an example for gaseous cycle.



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9. Define Endemism.



10. What is Eutrophication? Discuss the phenomenon of accelerated eutrophication.



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Part B

List any four hormones secreted by placenta.



**2.** Write any two simple principle to prevent sexually transmitted disease.



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3. Write four symptoms of Down's Syndrome.



**4.** What is Incomplete dominance? Give an example.



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**5.** Write any two factors affecting Hardy - Weinberg principle .



**6.** What is the signficance of selectable marker in cloning vector ?



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7. Codon AUG has dual function - Justify.



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**8.** List any three criteria that molecule can act as a genetic material.





**1.** Name the types of vegetative propagules in Potato plants.



**2.** Name the types of vegetative propagules in Ginger plant.

**3.** Name the types of vegetative propagules in Bryophyllum plants.



**4.** What is pollination? Mention any four features of wind pollinated flowers



**5.** What is infertility? Give reasons for infertility in humans.



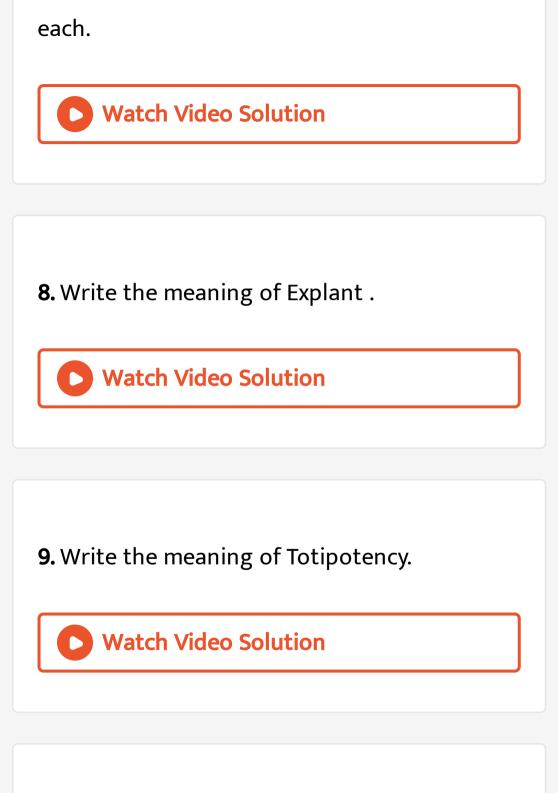
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**6.** What are analogous organs? Give an example.



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7. What are carcinogens? Mention any two groups of carcinogens with an example for



**10.** Write the meaning of Somachlones.



**11.** Draw a net labelled diagram of simple stirred tank bioreactor.



**12.** (a) Mention any two causes of biodiversity losses. (b) What are endemic species?



## Part D Section I

**1.** Explain the structure of pollen grains in Angiosperms.



**2.** Draw a neat labelled diagram of human male reproductive system.



**3.** Explain mendel's experiment to describe inheritance of one gene with reference to height of pea plants.



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**4.** List the salient features of the Human Genome



**5.** Name the diseases caused by Rhino virus organism.



**6.** Name the diseases caused by Epidermophyton organism.



**7.** Name the diseases caused by Salmonella typhi organism.



**8.** Name the diseases caused by Wuchereria malayi organism.



**9.** Name the diseases caused by Plasmodium vivax organism.



**10.** What is Bee - Keeping? Write any four points for a successful Bee - Keeping?



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Part D Section li

**1.** Describe the biogas plant with a neat labelled diagram



- **2.** a) What is Biopiracy?
- (b) How ADA deficiency is cured by gene therapy?



- **3.** a) What is Biopiracy?
- (b) How ADA deficiency is cured by gene therapy?



**4.** (a) What is ecological succession?



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**5.** Write types of plant succession.



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6. (b) Represent an ideal pyramid of numbers in a grassland ecosystem.



7. Explain mutualism with examples.



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**8.** Write a brief account of electrostatic precipitator with a neat labelled diagram.

