



# **BIOLOGY**

**BOOKS - OSWAAL BIOLOGY**

**(KANNADA ENGLISH)**

**SOLVED PAPER II PUC ANNUAL**

**EXAMINATION 2019**

**Part A**

1. Name the reproductive cycle that occur in non-primates.



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2. Name the layer of the uterus that exhibits strong contractions during parturition.



**Watch Video Solution**

3. Which chromosome of man has the least number of genes?



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4. Write the infectious forms of Plasmodium which enter human body through mosquito bite.



**Watch Video Solution**

5. Give an example for an inter-specific hybrid animal.



**Watch Video Solution**

6. Write the scientific name of the source organism for citric acid



**Watch Video Solution**

7. Mention a gene that codes for insecticidal protein in Bt cotton.



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8. Name the plasmid present in *Agrobacterium tumefaciens*.



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9. What is the main aim of Montreal Protocol?



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**10.** Name the type of food chain that is the major conduct for energy flow in an aquatic ecosystem.



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1. What is embryogenesis ? Mention two important events that occurred during embryogenesis.



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2. Define point mutation ?give an example for point mutation?



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3. What are the conclusions drawn by T.H. Morgan from the crossing experiment in *Drosophila* with respect to linkage?



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4. What is an allergy? Name the two chemicals released by mast cells in the body during allergy.



[Watch Video Solution](#)

5. Mention four traits for which plant breeding is done.



**Watch Video Solution**

6. With an example, explain the convention for naming restriction endonucleases scientifically.



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7. A prey develops defence against predator. Justify the statement with two examples in animals.



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1. Write three advantages offered by the seeds of angiosperms.



**Watch Video Solution**

2. Draw neat labeled diagram of the sectional view of human mammary glands.



**Watch Video Solution**

**3. DNA is the better genetic material than RNA.**

Justify the statement with three comparative reasons.



**Watch Video Solution**

**4. Enumerate on convergent and divergent evolution with suitable examples in plants.**



**Watch Video Solution**

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



**Watch Video Solution**

6. Mention four tools required for recombinant DNA technology.



**Watch Video Solution**

7. With reference to gel electrophoresis, what is elution?



**Watch Video Solution**

8. Ecological pyramids have limitations. Justify the statement with three reasons,



**Watch Video Solution**



**9.** Describe three factors which affect on decomposition.



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**Part D**

1. What is megasporogenesis? Explain the development of eight nucleate embryo sac in flowering plants.



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2. What are Contraceptives? Explain four different non-surgical contraceptive methods.



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3. What is incomplete dominance? Explain inheritance of flower colour in snapdragon



[Watch Video Solution](#)

4. Explain the role of three organisms as biocontrol agents.



[Watch Video Solution](#)

5. What is the significance of BOD?





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6. Give an example for a fungus found in Mycorrhiza



**Watch Video Solution**

7. List the benefits of transgenic animals.



**Watch Video Solution**

**8.** Tropical region has greater biodiversity than temperate region. Justify the statement with three reasons.



**Watch Video Solution**

**9.** The use of CNG is better than petrol or diesel. Give four reasons.



**Watch Video Solution**

**10.** What is Spermatogenesis ? Explain the process of spermatogenesis.



**Watch Video Solution**

**11.** Write the two events that occur in the ovary and uterus during the follicular phase of menstrual cycle.



**Watch Video Solution**

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



**Watch Video Solution**

**13.** Draw a labelled diagram of diagrammatic representation of Miller's experiment.



**Watch Video Solution**

**14.** Mention two assumptions of Oparin and Haldane with reference to 'Origin of Life'.



**Watch Video Solution**

**15.** Name the technology that can successfully increase the herd size of cattle in a short time and explain the steps involved in the technology



**Watch Video Solution**

**16.** Mention four 'Evil Quartet' which cause depletion of biodiversity.



**Watch Video Solution**

**17.** Write two suspended activities in animals against abiotic stresses with suitable examples.



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**18.** Among vertebrates, which group of animals has the highest number in global biodiversity?



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**31.** With the help of neat labelled diagram explain Stanley Miller's experiment in support.



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**43.** Explain five benefits of creating transgenic animals.



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**44.** Tropical region has greater biodiversity than temperate region. Justify the statement with three reasons.



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**46.** Write the schematic representation of spermatogenesis.



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**48.** Describe the Semiconservative method of DNA replication.



**Watch Video Solution**

**49.** Draw a neat labelled diagram of neuron.



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