



BIOLOGY

BOOKS - SUNSTAR BIOLOGY

(KANNADA ENGLISH)

**II PUC BIOLOGY (SUPPLEMENTARY
EXAM QUESTION PAPER JUNE - 2019)**

**Part A Answer All The Questions Each Questions
Carries One Mark**

1. Name the finger like projections on Trophoblast that appear during implantation.



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2. On which bacteria Griffith conducted transformation experiment?



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3. Name the microbe which is used to produce citric acid.



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4. In which site of fallopian tube does fertilisation take place?



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5. Mention the role of Alpha interferon in treatment of cancer.



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6. Which tissue is used as an explants to obtain virus free plants in tissue culture?



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7. Name the stain used to visualize DNA fragments in gel electrophoresis.



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8. What is natality?



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9. Which programme was introduced by the Government of India in 1980s to protect forest

with the participation of local community?



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10. Define BOD.



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Part B Answer Any Five Of The Following Questions In 3 To 5 Sentences Each Where Applicable

1. Differentiate between seasonal breeders and continuous breeders.



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2. Mention the reasons for population explosion.



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3. Write the karyotype and mention any two symptoms of Klinefelter's syndrome.



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4. Give any two examples for sacred grooves in India.



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5. Name two species , which became extinct due to exploitation .



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6. Distinguish between benign and malignant tumor .



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7. Mention any two methods of introducing alien DNA into the host .



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8. Write any four tools used in recombinant DNA technology .



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Part C Answer Any Five Of The Following Questions In About 40 To 80 Words Each

Wherever Applicable

1. List the measure to prevent sexually transmitted diseases.



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2. Draw and label a typical biogas plant .



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3. Explain the mechanism of XO- type of sex determination in insects .



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4. Write the function of filiform apparatus.



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5. Write any four characteristics of flowers pollinated by wind .



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6. Mention the main three events in sexual reproduction .



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7. What are ploner species in ecological succession ?



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8. Distingusih between hydrarch and xerarch succession ?



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9. Schematically represent the phosphorous cycle .



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10. Write a note on MOET .





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Part D Section I

1. Describe the structure of dict embryo with the help of a label led diagrma.



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2. Mention the four barriers of innate immunity with an example for each .



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3. What is allergy ?



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4. What is commensalism ? Explain with any two examples.



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5. How does our body overcome altitude sickness ?



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6. Draw a neat labeled diagram of sectional view of mammary gland .



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7. List the goals of human genome project .



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8. State Hardy - Weinberg principle . Mention any four factors which affecting Hardy .



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9. What are analogous organs ? Give an example in plants .



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1. Explain one gene inheritance with reference to stem height in pea plants .



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2. Mention the criteria for a molecular that acts as the genetic material



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3. Write the schematic structure of transcription unit .



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4. If you are a successful beekeeper suggest the point you would like to follow .



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5. Briefly explain the use of transgenic animals .



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6. Explain a case study of remedy for plastic waste .



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