



BIOLOGY

BOOKS - SUNSTAR BIOLOGY

(KANNADA ENGLISH)

II PUC BIOLOGY SUPPLEMENTARY EXAM QUESTION PAPER JULY - 2017

Part A

1. What is emasculation ?



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2. Define genetic drift.



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3. Name the causative agent of Elephantiasis.



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4. From which plant Morphine is extracted ?



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5. Name a new breed of sheep developed in Punjab by cross breeding technique.



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6. What are flocs ?



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7. What is downstream processing ?



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8. State Allen's rule.



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9. Mention a biodiversity hot-spot in India.



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10. Name the chemical compound responsible for the depletion of ozone layer.



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Part B

1. What are vegetative propagates ? Give two examples.



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2. Differentiate between Geitonogamy and Xenogamy.



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



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4. What are Mendelian disorders ? Give two examples.



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5. List any two methods of HIV prevention.



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6. Mention the accessory ducts of male reproductive system.



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7. Define Apiculture. List any two economic importance of it.



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8. Define polymerase chain reaction. Name the enzyme used in it and mention its source.



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1. Differentiate between external fertilization and internal fertilization giving example.



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2. Name the plant that flowers once in 12 years.



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3. What is male heterogamety? Explain sex determination in humans.



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4. Mention any three applications of DNA finger printing technique.



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5. Differentiate between active immunity and passive immunity.



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6. Define allergy. Mention any two causes.



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7. Draw a neat labelled diagram of plasmid pBR322.



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8. Mention the functional components of ecosystem,



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9. What is trophic level ?



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10. Explain any three major causes of biodiversity loss .



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11. What are endemic species?



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12. Draw a schematic representation of the phosphorous cycle.



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Part D

1. Explain any four outbreeding devices that prevents autogamy.



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2. What is apomixis ?



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3. Explain the inheritance of two genes' in pea plants with two suitable examples.



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4. Draw a neat labelled diagram of human sperm.



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5. What is infertility ? Explain IVF-ET and ZIFT methods to assist infertile couple to have children,



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6. List any six features of genetic code.



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7. What is tissue culture ? Mention any four applications.



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



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9. Describe the role of microbes as biofertilizers.



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10. What is RNA interference? How does RNA interference help to develop resistance in tobacco plant against Nematode infection?



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11. (a) List the responses of living organisms to abiotic factors. (b) What is commensalism? Give an example. (c) Name the type of interaction between algae and fungi in lichens.



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12. What is commensalism? Give an example.



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13. Name the type of interaction between algae and fungi in lichens.



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14. What is global warming? Mention the causes and effects of global warming.



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