



BIOLOGY

BOOKS - SUNSTAR BIOLOGY

(KANNADA ENGLISH)

II PUC BIOLOGY ANNUAL EXAM

QUESTION PAPER JULY - 2014

Part A

1. What is menopause?



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2. Name the physical and physiological connection between maternal body and embryo (foetus).



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3. What is adaptive radiation?



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4. Mention the cells involved in cell-mediated immunity.



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5. What is a Benign tumour?



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6. What is totipotency?



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7. What are biofertilisers?



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8. What is polymerase chain reaction?



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9. Define natality



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10. Give an example for gaseous cycle.



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Part B

1. What are hermaphrodites? give an example



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2. Mention two symptoms of turners syndrome.



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3. What is a Homologous structure? Give an example.



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4. Draw a neat labelled diagram of an seminiferous tubule.



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5. Mention any two measures to improve the quality of milk production.



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6. What is commensalism? Give an example



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7. List out any two effects of loss of bio diversity.



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8. What are scared groves? Give an example



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1. Mention the units of vegetative propagation in plants.



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2. Draw a neat labelled diagram of stamen of typical flower.



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



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



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5. List any three types of Innate Immunity barriers and give an example for each



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6. Explain any three major abiotic factors influencing the life of organisms.



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7. Comment : Compressed Natural Gas (CNG) is better than diesel



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8. What is biomagnification? Name two well studied toxic substances causing this phenomenon



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1. What is double fertilization? Describe fertilized embryo sac with a neat labelled diagram.



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2. What is spermatogenesis? Explain the process of spermatogenesis.



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3. List three reasons for population explosion.



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4. Name human male and female sterilization producers.



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5. State the law of independent assortment.

Write schematic representation of dihybrid cross.



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6. Describe Lac operon concept with labelled sketch.



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7. What is poultry? Mention two important components of poultry farm management?



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8. Define inter - specific hybridization? Give an example



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9. Summarize major events of DNA fingerprinting technique.



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10. Name different stages involved in sewage treatment.



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11. (a) Write diagrammatic representation of Recombinant DNA technology.

(b) Write a note on down stream processing.



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12. Write a note on downstream processing



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13. What is Bio piracy? Explain it with reference to Basmati rice



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14. What are genetically modified organisms?

Name two Bt- toxin producing plants



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15. Define ecological pyramid. Describe pyramid of energy flow with an example.



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