



BIOLOGY

BOOKS - SUPER COMPANION 5 IN 1

PUE MODEL QUESTION PAPER 4

Part A

1. What are homogametes?



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2. Give an example for autosomal trisomy.



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3. What is saltation?



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4. Name the microorganism which produces butyric acid.



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5. What is biopiracy?



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6. What is the immigration?



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7. What are sacred grooves? Give an example.



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8. Expand B.O.D.



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9. What is a food web?



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10. What are meicytes?



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Part B

1. What is placenta? Mention any one hormone secreted by placenta.



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2. Name any two reproductive health problems.



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3. What is a test cross? Write its significance.



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4. Mention the different types of Rnas.



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5. What is phenylketonuria? Write two symptoms.





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6. Write the chemical compounds of primordial earth



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7. Name the causative organisms of (a) typhoid
(b) malaria



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8. Mention the names of any genes of Bt cotton.



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Part C

1. Distinguish between asexual and sexual reproduction. Why is vegetative reproduction also considered as asexual.



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2. Explain the structure of matured pollen grain.



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3. What are IUDs? Give any two examples.



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4. List the salient features of the Human Genome



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5. Differentiate between homologous and analogous organs by giving plant example.



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6. What are single celled proteins? Write their significance in nutrition.



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7. What is gene therapy? Write any two applications of gene therapy.



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8. Define biodiversity. write three form of biodiversity.



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1. Write a neat labelled diagram of T.S of Anther.



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2. What is Incomplete dominance ? Give an example .



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3. Describe double helical model of DNA.



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4. Draw a neat labelled diagram of human sperm.



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5. Explain the steps involved in rDNA technology



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1. Draw a neat labelled diagram of retrovirus (HIV) lifecycle.



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2. Briefly describe the various steps involved in plant breeding.



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3. Explain the role of microbes in household food products.



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4. Explain mutualism with examples.



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5. Justify the phosphorus cycle in an incomplete cycle



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6. (a) Write a note on e-wastes.

(b) Write any two preventive measures of air pollution.



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