



BIOLOGY

BOOKS - SUPER COMPANION 5 IN 1

BIOTECHNOLOGY AND ITS APPLICATION

One Mark Questions And Answers

1. Which soil bacteria produces Bt toxins ?



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2. Write the name of a nematode which infects roots of tobacco plants?



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3. Write any two Bt resistant crops.



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4. What is molecular farming ?



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5. Expand GEAC.



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6. Name the bacterium which is used to produce insect -resistant plants by genetic enengineering.



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7. Name any disease against which vaccine is developed by recombinant DNA technology .



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8. Name the technique which is used to detect HIV in suspected AIDS patient?



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9. Name any two diseases for which transgenic micer are used as model organisms .



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10. What is the difference between 'Cry'and 'CRY' .



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11. Name any one disease for which gene therapy has been proved effective ?



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Two Mark Questions And Answers

1. What are genetically modified organisms ?
Name two factors on which their behaviour depends.



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2. To whom a patent is given ?



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3. Define the following :

(i) DNA probe

(ii) Bio-piracy.



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4. Define gene therapy. Name a genetic disorder that is being treated using the technique of gene therapy.



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Three Marks Questions And Answers

1. What is molecular diagnosis ? Explain .



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Five Mark Questions And Answers

1. What is gene therapy? Explain the types. Add a note on its applications?



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2. What are transgenic animals? How are they obtained? Add a note on their significance.



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3. Write a brief account on genetically engineered insulin.



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