



BIOLOGY

**BOOKS - VIKRAM PUBLICATION (
ANDHRA PUBLICATION)**

**BIOTECHNOLOGY AND IT'S
APPLICATIONS**

VERY SHORT ANSWER QUESTIONS

1. The genes which regulate the expression of other genes are



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2. Can a disease be detected before its symptoms appear ? Explain the principle involved ?



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3. GEAC is mainly responsible for



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4. Which of the following nematodes infects the roots of tobacco plants and causes a great reduction in yield?



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5. Which variety of rice, American company got patent rights through the US patent and Trade mark of Rice?



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6. Which plants in your surroundings are useful for the production of medicines ?



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7. Father of green revolution is



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SHORT ANSWER QUESTIONS

1. Transgenic plants are



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2. Compare and contrast the advantages and disadvantages of production of genetically modified crops.



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3. Bt Cotton is not



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4. Give a brief account of pest resistant in plants.



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EXERCISE

1. Crystals of Bt toxin produced by some bacteria do not kill the bacteria themselves because

A. Bacteria are resistant to the toxin

B. Toxin is inactive

C. Toxin is immature

D. Bacteria encloses toxin in a special sac

Answer: C



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2. What are transgenic bacteria? Illustrate using any one example.



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3. Compare and contrast the advantages and disadvantages of production of genetically modified crops.



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4. What are Cry proteins? Name an organism that produce it. How has man exploited this protein to his benefit?



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5. C-peptide of human insulin is



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6. What is meant by the term Biopesticide ?

Name and explain the mode of action of a popular biopesticide ?



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