



**ATOMIC ENERGY CENTRAL SCHOOL 4**

**MUMBAI**

**UNIT IX**

**CHAPTER 12**

**BIOTEHNOLOGY AND ITS APPLICATION**

**WORKSHEET**

**MODULE – 3/3**

**PREPARED BY**

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## 1. Answer the following questions:

- i) Why are transgenic animals so called?
- ii) Biopiracy should be prevented. State why and how?
- iii) Write a short note on Biopatent.

## 2. Multiple choice questions:

- i) A monopoly granted to a person who has invented a new and useful article, made improvement in an existing article or invented a new process of making an article is called:
  - a) Biopiracy
  - (b) bioethics
  - (c) patent
  - (d) Genetic modification
- ii) Animals that have had their DNA manipulated to possess and express a foreign gene are called:

- a) Transgenic animals (b) somatic hybrids  
c) Somaclones (d) super animals

iii) Which of the following is not a genetically modified organism (GMO):

- a) Golden rice (b) Dolly (c) Dogie  
d) Rosie

iv) Which of the following has been covered under the broad patent category?

- a) *Triticum* (b) *Oryza* (c) *Pisum sativum*

v) Potential pathogens for bioweapons are:

- a) *Bacillus anthracis* (b) *Yersinia pestis*  
c) *Vibrio cholerae* (d) all of these

## ACKNOWLEDGEMENT

The following text books were referred to complete the Worksheet:

1. MTG NCERT at your finger tips Class –XI and XII
2. Self generated questions taking help of Truman's Elementary Biology  
Part – 2

Biotechnology