



DG-1681

**M. Sc. (Integrated Biotechnology) (Sem. V)
(CBCS) Examination**

March / April - 2016

BT-16 : Bioethics & Biosafety

(Core-1, Course-6) (New Course)

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दशांशिक निशान्तीवाणी विगतो कतरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
☛ M. Sc. (Integrated Biotechnology) (Sem. V) (CBCS)	<input type="text"/>
Name of the Subject :	<input type="text"/>
☛ BT-16 : Bioethics & Biosafety (Core-1, Course-6) (New Course)	<input type="text"/>
☛ Subject Code No. : <input type="text"/> 1 <input type="text"/> 6 <input type="text"/> 8 <input type="text"/> 1	<input type="text"/>
☛ Section No. (1, 2,.....): <input type="text"/> Nil	
	Student's Signature

(2) Figures to the right indicate full marks.

(3) Draw neat and labelled diagrams whenever necessary.

1 Define : (Any Four) 8

- (1) LOMs
- (2) Xenotransplantation
- (3) Transgenesis
- (4) rDNA
- (5) Placebo

2 Attempt : (Any Two) 14

- (1) Give definition of Bioethics. Write its applications and relationship with other sciences.
- (2) Define Stem Cell and Stem Cell research. Write about the ethical issues associated with this research.

- (3) Give ethical, legal and social implications of Human Genome Project.

3 Attempt : (Any Two) **14**

- (1) Define Biosafety. Discuss about containment.
(2) Discuss the need and applications of Biosafety.
(3) Give the details of Biosafety guidelines in India.

4 Attempt : (Any Two) **14**

- (1) What are the aims of NIH guidelines for Biosafety?
(2) Explain various aspects of UN Cartagena Biosafety Protocol
(3) Explain the term Risk Assessment. Give the steps involved in assessment of risk during laboratory research.
