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) Fill up strictly the details of signs on your answer book.

(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)  
   (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)  
   (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.