

BS/2051

**BSC (Hons) Biotechnology Sem IV**  
IPR, Entrepreneurship, Bioethics & Biosafety –code :BHB 21

966/MH

**Set 2**

Time allowed: 3hrs

M.M.74

Candidates are required to attempt two questions each from sections A and B of the question paper and the entire section C.

**Section A**

1. Write a note on the patent and its importance in the field of biology as a whole and biotechnology in particular (11)
2. How Intellectual or Industrial property can be legally protected in research, design and development? (11)
3. Explain the steps of selection of a product, design and development processes (11)
4. How the demand and feasibility of the production can be studied? (11)

**Section B**

5. What is bioethics? What is its need in biological field? (11)
6. What are the different national and international paradigms of bioethics? (11)
7. a) What are the different concerns of biosafety and health hazards in biotechnology.  
b) What is the importance of GMP certification for the industries? (6,5)
8. What do you mean by good laboratory practice (GLP)? Give its importance in the society for the better reliability of tests. (11)

**Section C**

9. Write short notes on the following:
  - a) Entrepreneurship
  - b) Patent law
  - c) Legal protection in research
  - d) Patenting genes
  - e) ELSI
  - f) Containment labs
  - g) Biohazard
  - h) Trade Mark
  - i) Copyright
  - j) Raw material
  - k) Risk group II
  - l) Personal protective equipments
  - m) Intangible property
  - n) WIPO
  - o) Standard operating procedures(SOPs)

15X2=30