

M.Sc. (Biotechnology) (CBCS Pattern) Sem-IV  
**PSBIT-115 - Ethics, Patenting & Bio-Entrepreneurship Paper-III**

P. Pages : 1

Time : Three Hours



**GUG/W/22/11353**

Max. Marks : 80

Note : All questions carry equal marks.

1. Describe in details about recombinant therapeutic products for human health care. **16**  
**OR**
  - a) Write a detailed note on genetically engineered organisms. **8**
  - b) Write various applications of human genetic r-DNA research. **8**
2. Discuss in details about various products & processes involved in Biotechnology. **16**  
**OR**
  - a) Write a detailed note on Quality control in Biotechnology. **8**
  - b) Discuss about Bio-safety & it's implementation. **8**
3. What is Bio-entrepreneurship? Discuss various factors necessary for it. **16**  
**OR**
  - a) Describe various pillars of Bio-entrepreneurship. **8**
  - b) Describe road map for a Biofertilizer company. **8**
4. Describe the role of various knowledge centres in promoting Bio-entrepreneurship. **16**  
**OR**
  - a) Write a detailed note on Biotech business in India. **8**
  - b) Discuss in detail about policy initiatives for biotechnology. **8**
5. Write a note on :-
  - a) Benefits of Biotechnology. **4**
  - b) Patenting. **4**
  - c) Legal factors for entrepreneurship. **4**
  - d) Funding agencies in India. **4**

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