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**BFTFTC 355**

**Credit Based VI Semester B.Sc. (FT) Degree  
Examination, September 2022  
(Semester Scheme)  
(2020 – 21 and Earlier Batches)  
FOOD TECHNOLOGY  
Bioethics, Biosafety and IPR**

Time : 3 Hours

Max. Marks : 80

**Note** : 1) Answer *all* questions.

2) Draw *neat* labelled diagrams *wherever* necessary.

PART – A

I. Answer **any ten** of the following.

**(2×10=20)**

- 1) a) ITPGRFA.
- b) WTO.
- c) Novelty.
- d) Risk groups.
- e) General principle of IPR.
- f) GM foods.
- g) Scope of bioethics.
- h) Issues of biosafety.
- i) Biosafety concerns in the region.
- j) Bioethics legality.
- k) Bioethics for science.
- l) Traditional knowledge.

P.T.O.



## PART – B

II. Answer **any four full** questions choosing **one full** question from **each** Unit.

**Unit – I**

- 2) a) Write a note on technology and social responsibility. **4**  
b) Discuss on bioethics and equity. **4**  
c) Explain biodiversity and benefit. **7**

OR

- 3) a) Comment on ethics and human rights. **3**  
b) Write a note on globalisation and development divide. **5**  
c) Explain global environmental sustainability. **7**

**Unit – II**

- 4) a) Explain ethics from biomedical practice to modern food technology. **4**  
b) Describe biosafety risk and hazards. **4**  
c) Explain biosafety levels. **7**

OR

- 5) a) Write a note on biosafety benefits. **3**  
b) Discuss on biosafety process in industry. **5**  
c) Explain biosafety concerns in the level of institutions. **7**

**Unit – III**

- 6) a) Write a note on biosafety assessment procedures for transgenic crops. **4**  
b) Briefly comment on risk management. **4**  
c) Explain Indian theory of private property. **7**

OR

- 7) a) Comment on risk groups. **3**  
b) Describe philosophical justification of intellectual property. **5**  
c) Explain Food biotechnology case studies and relevance. **7**

**Unit – IV**

- 8) a) Explain infringement-compulsory license. **4**  
b) Write a note on TRIPs agreement and its relation with other IPR treaties. **4**  
c) Explain on plant variety protection. **7**

OR

- 9) a) Write a note on GATT. **3**  
b) Briefly explain patentable subject matter. **5**  
c) Explain on biological invention and food security. **7**

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