

ILLB Sem.-10 Examination

IL-509

Hons-Farmers & Breeders Rights

Time : 2-30 Hours]

March-2025

[Max. Marks : 70

Q.1 'Biotechnology is a science which works for the value addition in many areas affecting human lives'. Justify this statement in the context with the applications of biotechnology in detail. [18]

OR

- Q.1 A. Explain the historical development of biotechnology. [10]
B. Write a note on 'Plant Tissue Culture' as a technique of biotechnology. [08]

Q.2 'The National Food Security Act is a tool to mitigate the Zero Hunger agenda of India's commitment for Sustainable Development Goals.' Discuss this statement in context with the key features and various schemes under the National Food Security Act. [18]

OR

- Q.2 A. Explain the implementation challenges of GM crops in India with case study of BT Cotton. [10]
B. Explain the biotechnology use and implementation from the purview of CBD. [08]

Q.3 'The mission of UPOV is to provide and promote an effective system of plant variety protection, with the aim of encouraging the development of new varieties of plants, for the benefit of society'. Justify this statement in the light of UPOV and its functions and compare it with the Indian Law. [18]

OR

Q.3 A. Explain the basic objectives and functions of ITPGRFA along with its obligations towards India. [10]

B. Explain the TRIPS agreement and provisions relating to farmers and breeders rights. [08]

Q.4 (A) Short Notes (Write any two) [10]

1. Blue Biotechnology

2. rDNA technique

(P.T.O)

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3. Farmers & Researchers Rights
4. Function of Plant Variety Appellate Tribunal

(B) Do as directed.(Attempt All)

[06]

1. What is Zymology?
2. Define Grey Biotechnology
3. The process of cleaning up the hazardous substances into non-toxic compounds is called the _____
4. _____ protocol addresses the effects of LMOs on biodiversity.
5. After the successful trial of BT Cotton, the commercial cultivation was approved with the six states which were; Gujarat, Maharashtra, Telangana, Rajasthan and Andhra Pradesh. (True/False)
6. Article 9 of the International Treaty on Plant Genetic Resources for Food and Agriculture refers to farmer's rights. (True/ False)