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BTS 553

IV Semester M.Sc. Degree Examination, September/October 2022
BIOTECHNOLOGY
Regulations and Intellectual Property Rights

Time : 3 Hours

Max. Marks : 70

PART – A

1. Write short notes on **any ten** of the following (**not** exceeding **1** page **each**). (**10×2=20**)
- a) Biosafety
 - b) GEAC
 - c) TKDL
 - d) Seed certification
 - e) Germplasm
 - f) Bio-terrorism
 - g) Quarantine
 - h) TRIPS
 - i) Biopiracy
 - j) Copy right
 - k) Invention
 - l) Utility Patent.

PART – B

Write explanatory notes on **any five** of the following (**not** exceeding **3** pages). (**5×6=30**)

- 2. Biosafety levels and containment facilities under different levels of biosafety.
- 3. CBD and “Cartagena Protocol”.

P.T.O.



4. Rights and obligations in registration of new varieties.
5. Importance of plant germplasm conservation.
6. GAAT.
7. Seed patent law.
8. Patent-related litigations and controversies with any two examples.

PART – C

Write long answers on **any two** of the following (**not** exceeding **7** pages). **(2×10=20)**

9. Discuss IPR with special reference to its importance in science and technology.
 10. Discuss general guidelines for recombinant DNA research activity.
 11. Give an account of seed certification laws, regulations and standards.
 12. Give an overview of biological warfare and bioterrorism.
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