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Name.....

Reg. No.....

**FOURTH SEMESTER INTEGRATED P.G. DEGREE (REGULAR)
EXAMINATION, APRIL 2023**

General Course

A14—INTELLECTUAL PROPERTY RIGHTS

(2021 Admissions)

Time : Two Hours and a Half

Maximum : 80 Marks

Section A (Short Answer Questions)*Students can answer **all** questions in Section A.**Each question carries 2 marks.**Maximum Marks from the Section A is 25.*

1. Why are Intellectual Property Rights important ?
2. What is a Patent ?
3. How long can a trademark registration last ?
4. What is the purpose of a domain name ?
5. Why is geographical indication important for products ?
6. What is the purpose of protecting industrial designs ?
7. How do patents affect the sharing of biotechnological discoveries ?
8. How does novelty contribute to biotechnological advancements ?
9. How do micro-organisms contribute to bioremediation in biotechnology ?
10. What are the considerations for patenting biological processes ?
11. What international treaty governs the protection of new plant varieties ?
12. Why are international conventions important in the field of biotechnology ?
13. What does TRIPS stand for ?
14. What does the Nagoya Protocol require from its member countries ?
15. What are the key benefits offered by the UPOV convention ?

(Ceiling 25 Marks)

Turn over

Section B (Paragraph Questions)

*Students can answer **all** questions in Section B.*

Each question carries 5 marks.

Maximum Marks from the Section B is 35.

16. Explain the significance of synthetic biology in biotechnological advancements.
17. Why is demonstrating inventive step important in biotechnology patents ?
18. What are the main benefits of obtaining protection through industrial design rights ?
19. How does the registration process for industrial design protection work, and what steps are involved ?
20. What are some ethical concerns regarding the use of genetically modified organisms (GMOs) in agriculture, and how do policies address these concerns ?
21. How do international policies and agreements influence the trade and sharing of biotechnological advancements across borders ?
22. What are the advantages and challenges of protecting geographical indications for local producers ?
23. How do companies strategically use a combination of trademark types to create a stronger brand identity ?

(Ceiling 35 Marks)

Section C (Essay Questions)

*Answer any **two** questions of the following.*

Each question carries 10 marks.

24. Compare and contrast the patenting process for biological inventions in different regions or countries.
25. Explain the key components required in drafting a patent application.
26. Explain the different types of Intellectual Property Rights recognized in India. Discuss their significance in protecting innovation and creativity.
27. Explain the background and objectives of the Convention on Biological Diversity (CBD). How does it aim to conserve biological resources and promote sustainable development ?

(2 × 10 = 20 marks)