

S.No. 5093

16 SCCBT 9

(For candidates admitted from 2016–2017 onwards)

B.Sc. DEGREE EXAMINATION, APRIL 2022.

Part III — Biotechnology — Major

IPR AND BIOETHICS

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. Define IPR.
2. Copyright.
3. Filing of Patent.
4. Patent infringement.
5. Madrid agreement.
6. WIPO.
7. Human cloning.
8. Bioethics in drug testing.

9. Bio warfare.

10. Genetic testing.

PART B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

11. (a) Discuss Geographical Indications. Its role in patenting.

Or

(b) What are patentable and non-patentable?

12. (a) Articulate the importance of patent filing.

Or

(b) Discuss the precautions while patenting.

13. (a) Discuss the Madrid and Hague agreement.

Or

(b) Discuss the Budapest treaties in detail.

14. (a) Write in detail about bioethics on religious rules.

Or

(b) Frameworks for ethical decision making.

15. (a) Discuss the ethical issues of reproductive cloning.

Or

(b) Ethical implications of human genome project.

PART C — (3 × 10 = 30)

Answer any THREE questions.

16. Write a detailed note on various intellectual properties.

17. Discuss the existing schemes of patent licensing.

18. Discuss the WIPO and its treaties in detail.

19. Discuss the purpose and principles of bioethics.

20. Write about the ethical issues on embryonic stem cell research.