K26FY0644 Pages: 2 Reg No:.....
Name:.....

Fourth Semester FYUGP Degree (Reg) Examination April 2026

KU4VACFOR225 - BIOETHICS AND IPR

2024 Admission onwards

Time : 1.5 hours Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. Summarize the core concept of Access and Benefit Sharing (ABS) as defined by the Nagoya Protocol.

2. State the primary aim of the Biological Diversity Act (2002) enacted by the Government of India.

3. Clarify what is meant by a Trade Secret using a simple example from the food or chemical industry.

4. Explain the concept of Traditional Knowledge in the context of intellectual property.

5. Recall the fundamental difference between the principles of beneficence and non-maleficence.

6. State the "3 Rs" principle commonly used to guide ethical animal research.

7. What historical event led to the creation of the Nuremberg Code?

8. List any two General Principles stated in the ICMR Ethical Guidelines for biomedical research on human participants.

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Section B

Answer any 4 questions. Each carry 6 marks.

9. Develop an outline for an educational workshop aimed at teaching early-career researchers the scope and importance of bioethics in their everyday laboratory practices.

10. Draft a brief informed consent checklist containing three essential points a doctor must cover to ensure a patient's autonomy is respected before a minor procedure.

11. Propose a brief ethical protocol (3 short rules) a researcher must follow to protect the human dignity of cognitively impaired patients participating in a medical study.

12. Analyze the specific role of CIOMS guidelines in addressing ethical disparities when pharmaceutical companies from developed countries conduct research in developing, low-income nations.

13. Examine the role of the National Medical Commission (NMC) Act in regulating professional ethical standards. How does it ensure accountability among doctors conducting clinical research?

14. Critically evaluate how the ICMR Ethical Guidelines address the unique challenge of obtaining valid informed consent from vulnerable, low-literacy populations in rural India.

Section C

Answer any 1 questions. Each carry 14 marks.

15. Draft a short policy proposal (introductory paragraph and two main rules) for a university research department to prevent its scholars from inadvertently committing biopiracy during field studies.

16. Break down the limitations of Copyright in the context of scientific research. Analyze how strict copyright enforcement by academic journals can potentially hinder the global advancement of biological sciences and collaborative research.

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