

LL.M/OC/01/006/23

ONE YEAR LL.M. DEGREE FIRST SEMESTER EXAMINATION, NOVEMBER 2023

LAW RELATING TO BIOMEDICAL TECHNOLOGIES

Time :3 Hours

Marks: 50

**Answer any five questions. Each question carries TEN marks (5x10=50)**

- I. The World Health Organization defines health as “a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity.” With special reference to this statement, clarify the role played by nations in protection of the health of its people.
- II. “A few short decades in medicine's long history have dramatically changed its face and image and, as medicine has been increasingly technologized in contemporary times”. Critically comment.
- III. How are medical devices regulated in India? Clarify the significance of such devices in the healthcare sector.
- IV. Why is compliance with research ethics of paramount significance in the designing and conducting of biomedical research?
- V. What do you understand by therapeutic cloning? How is it different from reproductive cloning? How does the Indian legal framework regulate therapeutic cloning?
- VI. “Recently, the field of genetics has given rise to a technology that many claim will revolutionize the biological sciences and propel the field into a transformative phase: the powerful gene-editing tool known as CRISPR-Cas9”. Critically comment on the legal implications of this technology.
- VII. With special reference to the relevant major international instruments, bring out the fundamental principles to be observed while conducting research involving human participants.
- VIII. What are the ethical and legal challenges raised by assisted reproductive technologies? In your opinion, are they adequately addressed in India?

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