



RAN-2303080603060002

M. Sc. (Microbiology) (Sem.-III) Examination October - 2025
Biosafety Regulations, Bioethics and IPR (GE-2)

Time: 2 Hours]

[Total Marks: 30

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) Figures to the right indicate full marks of the question.
- (3) Draw neat and labelled diagrams wherever necessary.

Seat No.:

--	--	--	--	--	--

Student's Signature

- Q.1.** Describe biosafety levels of specific microorganisms and their significance. **8**
OR
 Explain ethical issues in cloning and stem cell research.
- Q.2.** Give a detail account on the procedure for filing a PCT application. **7**
OR
 Discuss in brief about commercialization of patented innovations with examples.
- Q.3.** **Write short note on any three of the following:** **15**
1. Principles of safety assessment of transgenic plants
 2. Bioethics in gene therapy and transplantation
 3. Budapest treaty
 4. Types of patent infringement