



Term End Examination 2025-2026
Programme – B.Sc.(BT)-Hons-2024/B.Sc.(BT)-Hons-2025
Course Name – Bioethics and Biosafety
Course Code - BBT20203
(Semester II)

Time : 2:30 Hours

Group-A

(Multiple Choice Type Question)

 $1 \times 15 = 15$

1. Choose the correct alternative from the following :

- (i) What is the primary emphasis of the passage regarding integrating modern and traditional agricultural practices?
 - a) Economic profitability
 - b) Environmental sustainability
 - c) technological Advancement
 - d) None of these
- (ii) Patent infringement means ____
 - a) Unauthorized use, production, or sale of a patented invention
 - b) Filing of a new patent application for an expired patent
 - c) Withdrawal of a patent application
 - d) Licensing of a patent to another party
- (iii) _____ agreement governs patents worldwide and ensures that member countries grant similar protections.
 - a) Berne Convention
 - b) Paris Convention
 - c) Hague Agreement
 - d) TRIPS Agreement
- (iv) A patent must have which characteristics?
 - a) novelty
 - b) industrial applicability
 - c) inventive step
 - d) All of these
- (v) Identify the purpose of the UV germicidal lamp in some Biological Safety Cabinets (BSCs).
 - a) To provide additional lighting
 - b) To sterilize the operator's hands
 - c) To sterilize the work surface and contents
 - d) To maintain a controlled temperature
- (vi) Select the factor that determines the appropriate biosafety cabinet class for a specific laboratory task?
 - a) Experiment duration
 - b) Availability of UV light
 - c) Risk level of materials
 - d) Cabinet color
- (vii) What is the concerns regarding genomics?
 - a) the appropriateness of intellectual property (IP)
 - b) access to IP

- c) Technical
(viii) Select which of the following is not an intellectual property law.
a) Copyright Act, 1957
b) Trademark Act, 1999
c) Customs Act, 1962
d) Design Act, 2000
- (ix) TRIPS agreement was established in which year?
a) January 1, 1995
b) January 1, 1905
c) January 1, 2005
d) January 1, 1996
- (x) Judge that a patent must have _____ criteria.
a) novelty
b) industrial applicability
c) inventive step
d) All of these
- (xi) Trade in services includes which of the following?
a) Aerospace
b) Insurance
c) Textiles
d) Computer hardware
- (xii) Facility design for secondary barriers consist of
a) Basic Laboratory
b) Containment laboratory
c) Maximum Containment laboratory
d) All of these
- (xiii) The rights of a patentee are
a) Sell or distribute
b) License
c) Assign the property to others
d) all
- (xiv) Example of intangible property include
a) Copyrights
b) Land
c) Vehicles
d) Furniture
- (xv) Select the purpose of the HEPA filter in a biosafety cabinet.
a) Maintain temperature
b) Control humidity
c) Provide ventilation.
d) Remove airborne particles

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Explain the different forms of IPR. (3)
3. Explain the ethical conflicts associated with nature. (3)
4. Discuss the impact of biotechnology on human nature and society. (3)
5. Discuss the reasons for Adoption and Acceptance of Genetically Modified (GM) Crops for Farmers. (3)
6. Differentiate between bioethics and business ethics. (3)

OR

Define bioethics

(3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. State the principles of bioethics. (5)
8. What are the different Treaties and reciprocal agreements found in India? (5)
9. Select when is a registered Geographical Indication said to be infringed? (5)
10. Discuss the significance of the 'state of the art' concept in determining the novelty of an invention under Indian Patent Law. How does prior art affect the patentability of an invention? (5)
11. Speculate Patent revocation. (5)
12. Evaluate the role of Six competent authorities for regulation of GMOs in India. (5)

OR

Decide Procedure for approval of confined field trials and environmental release of GE plants. (5)