# PG Even Semester Exam, 2024

## Biotechnology

2nd Semester

COURSE NO. BTYVBC – 556 (A)

**[ Biodiversity, Protection, Farmers & Breeders Rights ]**

Full Marks : 70
Pass Marks : 28

Time : 3 hours

*The figures in the margin indicate full marks for the questions*

*Answer five questions, taking one from each Unit*

## UNIT-I

1. What do you mean by bio-piracy? Discuss the challenges of bio-piracy? 4+10=14
2. What is IPR? Write a note on different modes of IPR. Name the IPRs that can be used for protecting biological inventions. 3+7+4=14

## UNIT-II

3. What is biological diversity? Write a note on the levels of biodiversity organization. Discuss the major threats to biodiversity. 2+6+6=14
4. What is CBD? Discuss the main objectives of CBD. Differentiate between in situ and ex situ conservation methods. 2+6+6=14



## UNIT-III

5. What is benefit sharing? Write the principles of access and benefit sharing. Differentiate between monetary and non-monetary benefit sharing. 2+5+7=14
6. Define traditional knowledge (TK). Write a note on defensive protection of TK. Mention the disclosure requirements with reference to TK (Genetic resources). 2+6+6=14

## UNIT-IV

7. Write short notes on: 7+7=14
   a. Cartagena protocol
   b. Prior informed consent
8. What do you mean by climate change? Discuss the consequences of climate change. Write down the factors of climate change. How does climate change affect biodiversity? 1+5+5+3=14

## UNIT-V

9. Write a note on the objectives of biological diversity act. Discuss the functions and the powers of NBA. 6+8=14
10. Discuss the modes of benefit sharing for commercial utilization. 14

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