6. Define Patent. Write a note on the criteria to be furlfilled for applying for a patent. Discuss the procedure of patent filing in India. 2+6+6=14

7. Define bioethics. What is the main purpose of bioethics. What is patent? Write the applications of patent. 2+5+2+5=14

Or

8. Describe the farmers right protection act in India. What are the farmers rights avilable in India. 7+7=14

9. What are the requiremnts of biosafety for biotechnological research. Write the optimistic and pessimistic views regarding the genetically modified organism. 7+7=14

Or

10. Write the threats and prospects of transgenic reasearch. 14

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PG Odd Semester Examination, 2022

BIOTECHNOLOGY

(3rd Semester)

Course No.: BTYCC-304

(Biodiversity, IPR, Patents & Biosafety)

Full Marks: 70

Pass Marks: 28

Time: 3 hours

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

1. What is biodiversity? Discuss the various levels of biodiversity organization. Write a note on biodiversity of Assam. 2+8+4=14

Or

2. Write a note on biodiversity hot spots of India. Discuss how germplasm can be collected for biodiversity conservation. 7+7=14

3. Discuss the techniques used for molecular identification and characterization of biodiversity. 14

Or

4. What is biodiversity loss? Discuss the factors responsible for loss of biodiversity. 2+12=14

5. What is IPR? Discuss various types of IPR application to Biotechnology. 2+12=14

Or