

October 2025
B.A./B.Sc.
Third Semester
MULTI-DISCIPLINARY COURSE – 3
BOTANY
Course Code: BOO 3.11
(Natural Resources & Contemporary Issues)

Total Mark: 50
Time: 2 hours

Pass Mark: 20

I. Answer the following questions.

1. (a) Discuss the concept and process of bioprospecting and explain how it benefits humanity. 6+6=12

OR

- (b) What do you understand by intellectual property rights and how does it help creators of products? Supplement your answer with a description of the various types of intellectual property rights. 6+6=12

2. (a) Explain the concept of biocapacity in relation to ecological overshoot. Describe ecological footprint and its structure. 6+6=12

OR

- (b) What is food security? Give an overview of the programmes initiated in India to improve food security. 2+10=12

3. (a) Explain the role of the UNDP in promoting sustainable development. Discuss the concept and significance of sustainable development. 4+4+4=12

OR

- (b) Write an account of convention on biodiversity with emphasis on its organs and how they work towards fulfilling its objectives. 12

II. Write notes on any two of the following:

7×2=14

4. Natural resource accounting
 5. Alternative sources of food
 6. Carbon footprint
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