

2020
B.Sc. Sem-IV
BOTA
CC-8 (Plant Geography, Ecology and Evolution)
Theory

Time 2 hours

Section A

FM-25

Answer Any 5 questions:

5x5=25

1. Describe in brief about the different phytogeographical regions of India (Chatterjee, 1960).
2. Write a note on dominant flora of Sunderban.
3. Write a note about the Endemism in Indian flora.
4. Differentiate autogenic and allogenic succession.
5. briefly describe about the different seral stages of Hydrosere.
6. Write a note on phytoremediation.
7. Write a note on cryopreservation.

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Practical

Section B

FM-15

Answer the following questions:

15x1=15

1. What is quadrat?
2. What is the minimal size of a quadrat?
3. What is the frequency of a quadrat?
4. What is the density of a quadrat?
5. What is habitat?
6. What is community structure?
7. Write a difference between aquatic ecosystem and terrestrial ecosystem?
8. Define species diversity.
9. What is the importance of field trip during phytogeographical study?
10. Give an example of in-situ conservation.
11. What is seed bank?
12. Give an example of Indian hotspot.
13. What is seral stage?
14. Name two Indian endemic flora.
15. What is diversity among community?

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Internal Examination

Section C

FM-10

Answer the following questions:

10x1=10

1. Define endemism.
2. Write a factor affecting endemism.
3. What is epibiotic theory?
4. Define Niche.
5. Define Ecotype.
6. Define Ecotone.
7. What is primary succession?
8. Define Community.
9. Give an example of metallophyte.
10. What is ex-situ conservation?