

Q.P. Code – 42233

Second Semester B.Sc. Degree Examination, September 2020

(CBCS Scheme)

Botany

**Paper II – PLANT ECOLOGY, PHYTOGEOGRAPHY AND
PLANT PATHOLOGY**

Time : 3 Hours]

[Max. Marks : 90

Instructions to Candidates :

- 1) Answer all Parts.
- 2) Draw labelled diagrams wherever necessary.

PART – A
Sree Sri Jagadganga College of Arts
Science & Commerce for women
LIBRARY, TUMKUR

- I. Answer any **TEN** of the following : (10 × 2 = 20)
1. What is food chain? Mention any two types.
 2. What is gaseous biogeochemical cycle? Give an example.
 3. Mention the role of wind on vegetation.
 4. What are Global environmental issues? Give two examples.
 5. List any four phytogeographical regions of India.
 6. Mention any two adaptations in Halophytes.
 7. What is Ecology? Who coined the term?
 8. What are biopesticides? Mention the significance.
 9. What is ecological succession? Mention the types based on habitat.
 10. Mention the pathogen of Grain smut and Coffee rust.
 11. Classify the soil based on texture.
 12. What are endangered species? Give two examples.

Q.P. Code – 42233

PART – B

II. Answer any **SIX** of the following : (6 × 5 = 30)

13. Explain insitu conservation.
14. Write short notes on solid waste management.
15. Describe parasite adaptations.
16. Phosphorous cycle.
17. Write short notes on values of Biodiversity.
18. Explain soil profile.
19. Koleroga of Arecanut.
20. Explain Grassland ecosystem.

PART – C

III. Answer any **FOUR** of the following : (4 × 10 = 40)

21. Explain temperature and precipitation as climatic factors.
22. Explain Ecological pyramids.
23. Describe causes, effects and control measures of water pollution.
24. Explain host, pathogen, symptoms and control measures of citrus canker and Tikka disease.
25. Give a detailed account on vegetational types of Karnataka.
26. Explain :
 - (a) Ozone depletion
 - (b) Hot spots