Reg No:..... K24FY1208
Name :.....

First Semester FYUGP Botany Examination
NOVEMBER 2024 (2024 Admission onwards)
KU1MDCBOT101 (PLANT DIVERSITY)
(DATE OF EXAM: 29-11-2024)

Time : 90 min Maximum Marks : 50

Part A (Answer any 6 questions. Each carries 2 marks)

1. How did M.S. Swaminathan contribute to India's agricultural development? 2
2. How parasites derive their nutrition and provide an example of a parasitic plant. 2
3. Differentiate between Climbers and creepers. 2
4. What are the reproductive method of pteridophytes. 2
5. What is a cladode ? 2
6. Define phyllocladode. Give an example. 2
7. Differetiate between opposite superposed and decussate. 2
8. Define a tetramerous flower and provide an example of such a flower. 2

Part B (Answer any 4 questions. Each carries 6 marks)

9. Who reorganize Botanical Survey of India? List out her contributions. 6
10. What are epiphytes? What are the adaptations developed by epiphytes? 6
11. Compare and contrast the vegetative morphology of algae and bryophytes.? 6
12. Explain root modifications seen in plants. And add a notes on its function. 6
13. How leaves are arranged in branch? In what way phyllotaxy helpful for the plant. 6
14. Analyze the structure of special and mixed inflorescence types? 6

Part C (Answer any 1 question(s). Each carries 14 marks)

15. (a) Explain the various parts of a flower with suitable diagrams 7
    (b) Discuss the special type and mixed type of inflorescence with examples. 7
16. (a) Dicuss the contributions made by Indian botanists. 7
    (b) What are the major food crops? Add a notes on its importance as daily life. 7

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