

9. The family Lamiaceae is characterised by the inflorescence:
- a. Scorpioid cyme
 - b. Helicoid cyme
 - c. Verticillaster
 - d. Cyathium
10. Which of the following is false about floral formula?
- a. Indefinite number of floral parts is shown with the help of infinity symbol ' ∞ '
 - b. K5 means there are five sepals, polysepalous
 - c. Calyx is denoted with the letter 'C'
 - d. A2+2 means 4, 2 whorls

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(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

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| 1. Define Binomial Nomenclature. Mention four important rules of Binomial Nomenclature. | 1+4=5 |
| 2. Write a comparative account of Artificial, Natural and Phylogenetic classification system. | 10 |
| 3. Define Floral diagram and Floral formula. Mention the Floral diagram and Floral formula of Lamiaceae and Zingiberaceae. | 4+6=10 |
| 4. Write in brief about Orchidaceae or Poaceae mentioning its economic importance. | 7+3=10 |
| 5. Which family is most advanced phylogenetically among dicots? Why the family is regarded as highest evolved among the dicotyledons? | 2+8=10 |

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