M.Sc-I Botany Semester-I,
Paper-II, 30/12/2022

(2½ Hours) **Marks : 60**

NB: 1. All questions are compulsory.

2. Figures to the right indicate full marks.

3. Draw neat and labelled diagrams wherever necessary.

Q1. Discuss general characters, affinities, and interrelationships of Bennettitales. 12

OR

Q1. Describe the characters of Gymnosperms which resembles and differs from Angiosperms. 12

Q2 Explain. Caytonialean theory and Pentoxylales theory. 12

OR

Q2. Write an essay on primitive characters of angiosperms. 12

Q3 Give the systematic position, distinguishing characters and any three plants of economic importance of family Cyperaceae. 12

OR

Q3. Give morphological pecularities, floral formula and affinities of family Tiliaceae. 12

Q4. Describe in brief Bentham and Hooker's system of classification. 12

OR

Q4. Write about numerical taxonomy. 12

Q5. Write short notes on **any three** of the following 12

a)Systematic position of *Araucaria.*

b) Megasporophyll of *Zamia.*

c) Gnetales angiosperm theory.

d) Economic importance of Rutaceae

e) Floral diagram of Sterculiaceae

f) Phylogenetic system of classification.

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