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**SUBJECT CODE NO: - BB-2529**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. (CBCGS)(Pattern 2022) T.Y SEM VI**  
**Examination November / December 2025**  
**Botany-XXIIIA Diversity of Angiosperms-II**

**[Time: 1:30 Hours]****[Max. Marks: 40]**

N. B

Please check whether you have got the right question paper.

- 1) Attempt all questions.
- 2) All questions carry equal marks.
- 3) Draw neat well labelled diagram whenever necessary.

**Q1** Explain in brief Bennettitalean theory of angiosperms. Add a note on probable ancestors. **10**

OR

Describe in brief

- a) Phylogeny
- b) Cytotaxonomy

**Q2** Explain in brief modern trends in taxonomy with reference to chemotaxonomy. **10**

OR

Describe in brief

- a) Place and time of angiosperm origin
- b) Plant Identification keys.

**Q3** Explain the vegetative and reproductive characteristics of family Anacardiaceae add a note on its economic importance. **10**

OR

Explain in brief

- a) Floral characters of verbenaceae
- b) Economic importance of Rutaceae

**Q4** Multiple choice questions. **10**

- 1) Scientific name of 'Neem' plant is \_\_\_\_  
 a) Melia azadirach                      b) Azadirachta Indica  
 c) Anona Squamosa                      d) Citrus medica
- 2) Father of Binomial Nomenclature is \_\_\_\_  
 a) Charles Darwin                      b) H.D. Hooker  
 c) Carl Linnaeus                      d) G. Bentham
- 3) Lawsonia inermis belongs to family \_\_\_\_  
 a) Oleaceae      b) Ordnidaceae      c) Verbenaceae      d) Lythraceae
- 4) The term 'phytotaxonomy' is related to-  
 a) Study of plant classification                      b) Study of plant ecology  
 c) Study of plant physiology                      d) Study of plant pathology
- 5) 'Jasminum' belongs to family \_\_\_\_  
 a) Rutaceae      b) Papavaraceae      c) Asteraceae      d) Oleaceae

