FACULTY OF SCIENCE
B.Sc.II Year Examination March / April 2016
Subject: Botany
Paper- II: Anatomy, Embryology, Taxonomy and Medicinal Botany
Time: 3 hours
Max. Marks: 100

Section: A (5 x 8=40)
(Short answer Questions)
Note: Answer any FIVE Questions. Attempt at least ONE Question from each unit.
Answer should not exceed 20 Lines for each question. Draw well labeled diagrams wherever necessary

Unit-I
1. Histogen theory
2. Parenchyma

Unit-II
3. Helobial endosperm
4. NPC system

Unit-III
5. Angiosperm phylogeny group (APG)
6. Chemotaxonomy

Unit-IV
7. Ayush
8. Medicinal use of Tulasi

Section: B (4 x 15=60)
(Essay Type Questions)
Note: Answer ALL Questions. Answer should not exceed 80 lines for each question.
Draw well labelled diagrams wherever necessary.

9. (a) Define complex tissue. Describe the phloem elements and add a note on its functions.
   OR
   (b) What is anomalous secondary growth? Explain the secondary growth in Boerhaavia stem.

10. (a) Write an essay on polyembryony and mention its significance.
    OR
    (b) Discuss in detail about the Dicot embryo development in angiosperms.

11. (a) Give a general account on Bentham and Hooker's system of classification and mention its merits and demerits.
    OR
    (b) Describe the flower structure and pollination mechanism in Orchidaceae.

12. (a) Write short note on pharmacogocy and explain about adulteration of drugs.
    OR
    (b) Discuss in detail about various method of collection processing of preserving of plant crude drugs.

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