

(AUTONOMOUS)  
**BSc DEGREE EXAMINATION DECEMBER 2017**  
(Fifth Semester)

Branch- **BOTANY**

**PLANT SYSTEMATICS & ECONOMIC BOTANY**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** marks (10 x 2 = 20)

- I Write the different types of keys studied by you.
1. What is nomenclatural type?
2. Define 'Didynamous condition'.
4. Give any 4 important characteristic features of the family Apiaceae.
5. Write the uses of Catharanthus roseus.
6. Define the inflorescence present in Helianthus annuus.
7. Give the binomial of castor bean.
8. Define culms.
9. Give the binomial name for wheat and chick pea.
10. Which part of the plant is medicinally used in clove?

**SECTION - B (25 Marks)**

Answer **ALL** Questions

**ALL** Questions Carry **EQUAL** Marks (5 x 5 = 25)

- II a Why do botanist proposed scientific names of plants?  
OR  
b Explain the rule of valid publication,
- 12 a Write the economic importance of Brassicaceae.  
OR  
b Describe the floral characters of the Apiaceae and mention its economic importance of any four plants.
- 13 a With suitable sketch, describe the vegetative and floral characters of the family Acanthaceae.  
OR  
b List any 10 plants of the family Lamiaceae and add a note on their economic importance.
- 14 a List the economic importance of the family Liliaceae.  
OR  
b Explain the vegetative and floral characters of the family Amaranthaceae.
- 15 a Describe the method of cultivation, harvesting and processing of paddy.  
OR  
b Briefly discuss about the any one spice studied by you.

**SECTION - C (30 Marks)**

Answer any **THREE** Questions

**ALL** Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Explain the methods of herbarium preparation and its uses.
- 17 Explain the vegetative and floral characters of the family Rutaceae and add a note its economic importance.
- 18 With suitable diagram describe the family Verbenaceae.
- 19 Write an essay on the vegetative and floral characters of the family Euphorbiaceae and add note on its economic importance.
- 20 Explain the steps involved in the production of cotton.

Z-Z-Z

END