# PSG COLLEGE OF ARTS & SCIENCE

(AUTONOMOUS)

#### **MSc DEGREE EXAMINATION DECEMBER 2018**

(Third Semester)

#### Branch-BOTANY

## TAXONOMY AND ECONOMIC BOTANY

Time: Three Hours Maximum: 75 Marks

## **SECTION -A (30 Marks)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** Marks  $(5 \times 6 = 30)$ 

1 a Give an outline of Engler and Prantl system of classification.

OR

- b Describe the methods of preparation of herbarium specimens.
- 2 a Describe the taxonomic characters of Ranunculaceae.

OR

- b Write the economic importance of Cucurbitaceae.
- 3 a Describe the floral characters of Rubiaceae.

OR

- b Describe the taxonomic characteristics of Lamiaceae.
- 4 a Write the taxonomic characteristics of Moraceae.

OR

- b Describe the general characters of Zingiberaceae and its economic importance.
- 5 a Write the binomial of economics importance of fiber yielding plant.

OR

b Describe the cultivation processes of *Corchorus capsularis* and uses of Jute.

### **SECTION -B (45 Marks)**

Answer any **THREE** questions

**ALL** questions carry **EQUAL** Marks  $(3 \times 15 = 45)$ 

- Write the principles, advantages and applications of Numerical taxonomy.
- 7 Describe the family Combretaceae with its economic importance.
- 8 Describe the floral features and economic importance of Solanaceae.
- Describe the taxonomical features and importance of Chenopodiaceae.
- IQ Describe the cultivation, harvest and economic importance of any 2 vegetables.

Z-Z-Z END