PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2019
(Fifth Semester)

Branch - **BOTANY**

PLANT SYSTEMATIC & ECONOMIC BOTANY

Time : Three Hours   Maximum : 75 Marks
SECTION-A go Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (1 0 x 2 = 20)

1   Define Taxon.
2   Define the term lectotype.
3   What is superior ovary?
4   Describe the fruit siliqua.
5   Define the term gamopetalous.
6   What is Pollinium?
7   Define Rachilla.
8   What is Velamen tissue?
9   Mention the use of jute.
10   Give the binomials and common names of spices you studied.

SECTION - B (25 Marks)
.Answer **ALL** Questions
ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

11 a Give a brief note on effective and valid publication of new taxa.
OR
    b Write short note on numerical taxonomy.

12 a Explain the floral characters of Cucurbitaceae.
OR
    b Enumerate the systematic relationship of the subfamilies in Leguminosae.

13 a Give a general account on floral characters of Apocynaceae.
OR
    b Distinguish the families of the following pair: Acanthaceae and Lamiaceae.

14 a Construct the floral diagram and describe the floral characters of
        Amaranthaceae.
OR
    b Describe the inflorescence of Gramineae.

15 a Comment on the cultivation, harvesting an processing of cotton.
OR
    b Write short notes on production of chick pea.

SECTION - C (30 Marks)
Answer any **THREE** Questions
ALL Questions Carry **EQUAL** Marks (3 x 1 0 = 30)

16   Write an essay on herbarium preparation and its maintenance.

17   List out the economic importance of the family Apiaceae.

18   Give the salient features of the family Lamiaceae.

19   Explain the range of floral structure in Orchidaceae with floral diagram
          and formula.