

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 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)

- 1 Define typification.
- 2 Define herbarium.
- 3 Give vegetative characters in Brassicaceae.
- 4 List the ornamental plants in Leguminaceae.
- 5 Mention the characters of Androecium in Apocynaceae.
- 6 Comment on inflorescence of lamiaceae.
- 7 Write the systematic position of amaranthaceae.
- 8 Define spikelet.
- 9 Highlight the uses of pulses.
- 10 Give the binomial name in chick pea & jute.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a Highlight the rules of ICBN.
OR
b Give an account on numerical taxonomy.
- 12 a List out the floral characters in Annonaceae.
OR
b Elaborate to write the economic importance of apiaceae.
- 13 a Give an account on general characters of Acanthaceae.
OR
b Highlight the economic importance of arecaceae.
- 14 a Discuss the floral characters in orchidaceae.
OR
b Write a economic importance of verbenaceae.
- 15 a Give the common name binomial name & parts used of the following
(a) Red gram (b) Clove.
OR
b Mention the cultivation and Harvest of cereals.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Give an account on Engler and Prantl system of classification.
- 17 Discuss the general characters of cucurbitaceous.
- 18 Explain the vegetative and floral characters of lamiaceae and verbenaceae.
- 19 Compare and contrast Euphorbiaceae and liliaceae.
- 20 Mention the parts used, binomial, common name cultivation & harvesting of the following (a) Fibres (b) Spices (c) Cereals (d) Pulses.