

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2017
(First Semester)

Branch - **ZOOLOGY**

PLANT BIOLOGY -1

Time : Three Hours

Maximum : 75 Marks

SECTION-A 120 Marks)

Answer **ALL** questions

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

- 1 What is a trichome?
- 2 Write the systematic position of Dictyota.
- 3 Write the symptoms of tikka leaf spot in ground nut,
- 4 Comment on coralloid roots.
- 5 What do you mean by active principle?
- 6 Write any two medicinal value of Asparagus racemosus.
- 7 Name any two plants belonging to Annonaceae,
- 8 Define Siliqua.
- 9 Mention the type of fruit produced by cereals.
- 10 Give any two binomial of the plants in Acanthaceae.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a Describe the vegetative structure of Volvox.
OR
b Write short notes on Albugo.
- 12 a Explain the disease cycle of rust of wheat.
OR
b Write short notes on Anthocero thallus.
- 13 a Brief the medicinal properties and active principles of Phyllanthus amarus.
OR
b Write short notes on identifying features, and medicinal value of Justicia adhatoda.
- 14 a Explain the vegetative characters of Rutaceae.
OR
b Brief the economic uses of family Leguminosae.
- 15 a Mention the special characteristic features found in members of Asclepiadaceae.
OR
b Give an account of characteristics and economic importance of Arecaceae.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Write an essay on life cycle of Aspergillus.
- 17 Elaborate the structure and reproduction in Adiantum.
- 18 Explain the role of medicinal plants in pharmaceuticals and cosmetics industry
- 19 Give an outline of Bentham & Hooker's classification upto order level.
- 20 Describe the character of Rubiaceae with suitable sketches.