

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2017
(First Semester)

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Branch - ZOOLOGY

PLANT BIOLOGY-I

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 x 2 = 20)

- 1 Name a colonial green alga you have studied.
- 2 Mention the fungus which produces Oogonium.
- 3 Which is causal organism of tikka leaf spot?
- 4 Name the medicinal uses of Asparagus racemosus.
- 5 What are secondary metabolites?
- 6 Name any two organic pesticide.
- 7 Mention any two uses of family Brassicaceae.
- 8 Name any two plants of family Euphorbiaceae.
- 9 What is pollinia?
- 10 Name the type of Inflorescence in the family Poaceae.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Write short notes on Dictyota.
OR
b Comment on cleistothecium.
- 12 a Brief the thallus structure of Authoceros.
OR
b Write an account of coralloid roots in cycas.
- 13 a Write brief notes on medicinal properties of Vitex negundo.
OR
b Define organic pesticide and comment on its advantages.
- 14 a Write notes on economic importance of Annonaceae.
OR
b Bring out the salient features of leguminosae.
- 15 a Brief the floral characters of Rubiaceae.
OR
b Brief the general characters of Asclepiadaceae.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Write an essay on the structure and reproduction of Oscillatoria.
- 17 Write an essay on symptom and disease cycle of bacterial blight of paddy.
- 18 Comment on the following : medicinal plants as a) Cosmetic and b) repellants.
- 19 Give a detailed account on the vegetative floral characters of Rutaceae.
- 20 Bring out the salient features of floral character of Poaceae and mention its economic importance.

Z-Z-Z

END