

2017

(5th Semester)

BOTANY

SIXTH PAPER

(**Algae, Lichens, Bryophytes**)*Full Marks : 55**Time : 2½ hours*

(PART : B—DESCRIPTIVE)

(Marks : 35)

*The figures in the margin indicate full marks
for the questions*

1. Write a brief account of the general characteristics of major classes of algae. 7

Or

Write notes on any *two* of the following :
3½×2=7

- (a) Spores and resting phases in algae
(b) Flagellation in algae
(c) Algal pigmentation

2. Describe the mode of reproduction found in Chlorophyceae. 7

Or

Discuss the phenomenon of alternation of generation in the members of Phaeophyceae giving example. 7

3. Give an account of the structure and reproduction of lichens. 7

Or

Describe briefly the economic importance of lichens. 7

4. Describe the characters of bryophytes and give an outline of their classification. 7

Or

Write a comparative account on the structure of sex organs in *Riccia* and *Sphagnum*. 7

5. Write an account of the evolution of sporophytes in bryophytes. 7

Or

Write short notes on any *two* of the following :
3½×2=7

- (a) Archegoniophore
(b) Origin of bryophytes from algae
(c) Antheridia of bryophytes

★★★

Subject Code : BOT/V/06

Booklet No. A

Date Stamp

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To be filled in by the Candidate

DEGREE 5th Semester
(Arts / Science / Commerce /
.....) Exam., **2017**

Subject

Paper

INSTRUCTIONS TO CANDIDATES

- 1. The Booklet No. of this script should be quoted in the answer script meant for descriptive type questions and vice versa.**
- 2. This paper should be ANSWERED FIRST and submitted within 45 minutes of the commencement of the Examination.**
- 3. While answering the questions of this booklet, any cutting, erasing, over-writing or furnishing more than one answer is prohibited. Any rough work, if required, should be done only on the main Answer Book. Instructions given in each question should be followed for answering that question only.**

To be filled in by the Candidate

DEGREE 5th Semester
(Arts / Science / Commerce /
.....) Exam., **2017**

Roll No.

Regn. No.

Subject

Paper

Descriptive Type

Booklet No. B

*Signature of
Scrutiniser(s)*

*Signature of
Examiner(s)*

*Signature of
Invigilator(s)*

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(5th Semester)

BOTANY

SIXTH PAPER

(Algae, Lichens, Bryophytes)

(PART : A—OBJECTIVE)

(Marks : 20)

The figures in the margin indicate full marks for the questions

SECTION—A

(Marks : 5)

Put a Tick (✓) mark against the correct answer in the
brackets provided : 1×5=5

1. Floridian starch is the reserved food products of

(a) Myxophyceae ()

(b) Phaeophyceae ()

(c) Rhodophyceae ()

(d) Xanthophyceae ()

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(2)

2. Agar-agar is derived from

- (a) fungi ()
- (b) algae ()
- (c) bryophytes ()
- (d) lichens ()

3. Lichens growing on rock are called

- (a) saxicoles ()
- (b) corticoles ()
- (c) terricoles ()
- (d) None of the above ()

4. Epiphragm is seen in

- (a) archegonium ()
- (b) antheridium ()
- (c) gametophyte ()
- (d) sporophyte ()

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(3)

5. The advanced sporophyte is seen in

- (a) *Porella* ()
- (b) *Riccia* ()
- (c) *Sphagnum* ()
- (d) None of the above ()

(4)

SECTION—B

(Marks : 15)

Write notes on the following :

3×5=15

1. Tetraspores

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(5)

2. Diatomaceous earth

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(6)

3. Cyphella

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(7)

4. Vegetative reproduction in bryophytes

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(8)

5. Peristome

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