

2017

(5th Semester)

BOTANY

EIGHTH PAPER

(**Environmental Biology and Ethnobotany**)

Full Marks : 55

Time : 2½ hours

(PART : B—DESCRIPTIVE)

(Marks : 35)

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

1. What is environment? Elucidate the interactions among various environmental factors. 1+6=7

Or

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

- (a) Biological diversity
- (b) Natural resources
- (c) Negative interactions between organisms

2. What is acid rain? Describe the causes and consequences of acid rain. 2+5=7

Or

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

- (a) Photochemical smog
- (b) Effect of ozone-layer depletion
- (c) Biomagnification

3. What do you mean by biodiversity loss? Describe in brief the *ex-situ* and *in-situ* conservations. 2+5=7

Or

Give brief accounts on any *two* of the following : 3½×2=7

- (a) Conservation of soil resources
- (b) Environmental laws
- (c) Patent

4. What is phytogeography? Elucidate the various floristic regions of India. 2+5=7

Or

Describe different vegetation types of India. 7

(3)

5. What is ethnobotany? Describe its scope and significance. 2+5=7

Or

Give brief accounts on any *two* of the following : $3\frac{1}{2}\times 2=7$

- (a) Two medicinal plants with scientific names, families and uses
- (b) Two food-yielding (cereal) plants with scientific names, families and uses
- (c) Two fibre-yielding plants with scientific names, families and uses

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Subject Code : BOT/V/08

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

EIGHTH PAPER

(Environmental Biology and Ethnobotany)

(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.** Complete or partial inhibition of one organism by another
through production of some substances is known as

(a) predation ()

(b) parasitism ()

(c) cannibalism ()

(d) antibiosis ()

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(2)

2. Ozone layer is found in

- (a) troposphere ()
- (b) stratosphere ()
- (c) mesosphere ()
- (d) thermosphere ()

3. The Water (Prevention and Control of Pollution) Act was formulated in the year

- (a) 1974 ()
- (b) 1972 ()
- (c) 1986 ()
- (d) 1969 ()

4. Among endemics, some species showed restricted distribution but cover large areas in course of time and are called

- (a) local endemics ()
- (b) pseudoendemics ()
- (c) progressive endemics ()
- (d) retrogressive endemics ()

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(3)

5. Anti-malarial drug is obtained from which plant?

(a) *Digitalis* ()

(b) *Cinchona* ()

(c) Isabgol ()

(d) Henbane ()

(4)

SECTION—B

(Marks : 15)

Describe briefly the following :

3×5=15

1. Biosphere

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(5)

2. Non-Biodegradable pollutants

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(6)

3. Intellectual Property Rights (IPR)

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(7)

4. Hot spots

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(8)

5. Endemism

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