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(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.** Define biogeochemical cycle. Give an account on hydrologic cycle. 1+6=7

Or

Write notes on the following : 3½+3½=7

- (a) Positive interaction between organisms
(b) Light as an environmental factor

- 2.** What is pollution? Give a brief account on nonbiodegradable pollution. 1+6=7

Or

Write notes on the following : 3½+3½=7

- (a) Radioactive waste management
(b) Biomagnification

- 3.** Give a brief account on different measures of water conservation. 7

Or

Write notes on the following : 3½+3½=7

- (a) *ex-situ* conservation
(b) IPR

- 4.** Describe different vegetation types of India. 7

Or

Write notes on the following : 3½+3½=7

- (a) Endemism
(b) Hot spots

- 5.** Define ethnobotany. Write a note on the scope of ethnobotany in India. 1+6=7

Or

Write notes on the following : 3½+3½=7

- (a) Two medicinal plants and their uses
(b) Two fibre-yielding plants with families and parts used

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Subject Code : **V/** BOT (viii)

Booklet No. **A**

Date Stamp

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To be filled in by the Candidate

DEGREE 5th Semester
(Arts / Science / Commerce /
.....) Exam., **2016**

Subject

Paper

**To be filled in by the
Candidate**

DEGREE 5th Semester
(Arts / Science / Commerce /
.....) Exam., **2016**

Roll No.

Regn. No.

Subject

Paper

Descriptive Type

Booklet No. B

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.

Signature of
Scrutiniser(s)

Signature of
Examiner(s)

Signature of
Invigilator(s)

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V/BOT (viii)

2 0 1 6
(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. Which of the following deal with the formation, physical
and chemical properties of soil?

(a) Topographic factors ()

(b) Edaphic factors ()

(c) Climatic factors ()

(d) Biotic factors ()

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(2)

2. A high biological oxygen demand (BOD) indicates

- (a) that water is pure ()
- (b) absence of microbial action ()
- (c) low level of microbial population ()
- (d) high level of microbial population ()

3. Which of the following do not serve for *ex-situ* conservation of species?

- (a) National parks ()
- (b) Botanical gardens ()
- (c) Gene banks ()
- (d) Genetic resource centres ()

4. The kind of vegetation where tree height becomes lesser with increasing altitude is called

- (a) alpine forest ()
- (b) montane subtropical forest ()
- (c) tropical dry forest ()
- (d) temperate forest ()

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(3)

5. Which of the following plants is ethnobotanically used as food?

(a) *Gossypium* ()

(b) *Mangifera* ()

(c) *Cinchona* ()

(d) *Oryza sativa* ()

(4)

SECTION—B

(*Marks* : 15)

Write notes on the following :

3×5=15

1. Greenhouse effect

(5)

2. Importance of ethnobotany

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(6)

3. Phytogeographical region of Western Himalayas

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(7)

4. Renewable energy

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(8)

5. Biodiversity loss

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