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(6th Semester)

ZOOLOGY

Paper : ZL-XII (B)

(Animal Ecology and Wildlife)

Full Marks : 55

Time : 2½ hours

(PART : B—DESCRIPTIVE)

(Marks : 35)

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

- 1.** Write the concept of ecology. Explain in brief
the different types of ecosystem. $2+5=7$

Or

What are ecological pyramids? Describe the
different types of ecological pyramids. $1+6=7$

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- 2.** Describe the detailed steps involved in
hydrological cycle. 7

Or

What are the three subdivisions of the
biosphere? Write a short note on nitrogen
fixation. $3+4=7$

- 3.** Explain Shelford's law of tolerance. 7

Or

Write notes on the following : $3\frac{1}{2}+3\frac{1}{2}=7$

(a) Global warming

(b) Significance of succession

- 4.** Explain the population growth curve. Add a
note on natality. $5+2=7$

Or

Explain the different types of species
diversity. 7

- 5.** Describe the different methods of wildlife
management. 7

Or

Write a note on the international and national
programmes / organisations which are
involved in wildlife conservation. 7

Subject Code : ZOO/VI/12 (b)

Booklet No. A

Date Stamp

To be filled in by the Candidate

DEGREE 6th Semester
(Arts / Science / Commerce /
.....) Exam., **2016**

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 6th Semester
(Arts / Science / Commerce /
.....) Exam., **2016**

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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ZOO/VI/12 (b)

2 0 1 6
(6th Semester)

ZOOLOGY

Paper : ZL-XII (B)

(Animal Ecology and Wildlife)

(PART : A—OBJECTIVE)

(*Marks* : 20)

SECTION—A

(*Marks* : 5)

Each question carries 1 mark

Put a Tick (**✓**) mark against the correct answer in the corresponding brackets :

- 1.** The branch of ecology which is concerned with the study of an individual organism is called

(a) synecology ()

(b) autecology ()

(c) human ecology ()

(d) system ecology ()

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(2)

2. The ozone layer absorbs or blocks

(a) short-wave ultraviolet radiation ()

(b) long-wave ultraviolet radiation ()

(c) medium-wave ultraviolet radiaton ()

(d) None of the above ()

3. The community on rock is called

(a) hydrosere ()

(b) lithosere ()

(c) psammosere ()

(d) halosere ()

(3)

4. When a population is allowed to grow in a limited environment, it shows

(a) exponential growth ()

(b) geometric growth ()

(c) logistic growth ()

(d) None of the above ()

5. Deforestation causes

(a) soil erosion ()

(b) desertification ()

(c) loss of nutrients ()

(d) All of the above ()

(4)

SECTION—B

(Marks : 15)

Each question carries 3 marks

Write short notes on the following :

1. Interspecific interactions

(5)

2. Carbon cycle

(6)

3. Greenhouse effect

(7)

4. Species richness

(8)

5. Biodiversity conservation in India

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ZOO/VI/12 (b)