

2 0 1 7

(1st Semester)

ZOOLOGY

FIRST PAPER

(**Biosystematics and Biology of Non-chordates**)

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 note on the five-kingdom classification. 7

Or

Write an account on the major species concepts.

2. Describe the different types of locomotion in Protozoa. 7

Or

Explain with suitable examples the asexual reproduction in Protozoa.

3. Write a note on the origin of Metazoa. 7

Or

Write an account on symmetry in animals.

4. Write a detailed note on the reproduction in *Pheretima posthuma* with diagram. 7

Or

Write an account on the characters and affinities of Onychophora.

5. Write notes on the following : 3½×2=7

(a) Social organization in insect

(b) Types of metamorphosis in insect

Or

Describe the water vascular system (ambulacral) of *Asterias*. 7

Subject Code : ZOO/I/01

Booklet No. **A**

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Date Stamp

To be filled in by the Candidate

DEGREE 1st Semester
(Arts / Science / Commerce /
.....) Exam., **2017**
Subject
Paper

.....

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To be filled in by the Candidate

DEGREE 1st Semester
(Arts / Science / Commerce /
.....) Exam., **2017**

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, overwriting 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)

ZOO/I/01

2 0 1 7
(1st Semester)

ZOOLOGY

FIRST PAPER

(Biosystematics and Biology of Non-chordates)

(PART : A—OBJECTIVE)

(Marks : 20)

The figures in the margin indicate full marks for the questions

SECTION—I

(Marks : 5)

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

(a) Father of taxonomy is

(i) Ernst Haeckel ()

(ii) Carolus Linnaeus ()

(iii) Julian Huxley ()

(iv) Plato ()

(2)

(b) *Pila* is commonly known as

(i) starfish ()

(ii) prawn ()

(iii) earthworm ()

(iv) apple snail ()

(c) Coral reefs are formed by

(i) Protozoa ()

(ii) Porifera ()

(iii) Coelenterata ()

(iv) Ctenophora ()

(d) Flame cells are found in the phylum

(i) Nematoda ()

(ii) Platyhelminthes ()

(iii) Arthropoda ()

(iv) None of the above ()

(3)

(e) Ctenophores are

(i) biradially symmetrical ()

(ii) asymmetrical ()

(iii) bilaterally symmetrical ()

(iv) None of the above ()

(4)

SECTION—II

(Marks : 15)

2. Write short notes on the following :

3×5=15

(a) Taxonomic hierarchy

(5)

(b) Salient features of Protozoa

(6)

(c) Definition of corals with suitable examples

(7)

(d) Systematic position of comb jelly (*Pleurobrachia*)

(8)

(e) Torsion
