Exam. Code: 103203 Subject Code: 1363

B.A./B.Sc. 3rd Semester ZOOLOGY (Evolution) Paper—ZOO-III A

Time Allowed—Three Hours] [Maximum Marks—35

Note:— Section A is compulsory and consists of seven sub parts of 1 mark each. Attempt FOUR questions from Section B, selecting at least ONE from each unit.

SECTION-A

Write a short answer for the following:—

- 1. Evidences of evolution
- 2. Mass extinctions
- 3. Fossils
- 4. Adaptive radiations
- 5. Speciation
- 6. Coacervates
- 7. Homology

 $1 \times 7 = 7$

SECTION—B UNIT—I

UNII—I

1. What is the significance of connecting links, comparative anatomy and embryology in evolution?

1

2. What are the salient features of Lamarckism? Give its merits and demerits over modern theory of evolution.

7

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(Contd.)

Exam. Code : 104204	
II—TINUject Codo : 1363	
3. Discuss various theories of origin of life, which one	
according to you best describes origin of life? 7	
4. Write a note on the mechanisms of macro and mega	
evolution. Give suitable example for each. 7	
Time Allowed - Timee III-HIND Maximum Marks - 15	
5. Describe various types of fossils and their significance	
as evidences of evolution.	amon dua 7
6. Highlight the factors responsible for extinction of	
reptiles.	7
Write a short answer for TINU wing	
7. Give a detailed account of parental care in fishes.	
	X Mass extinct
8. Write a note on :—	J. Fossils
	4. Adaptive rad
(b) Poison apparatus of snake.	5. Speciation
(b) Foison apparatus of snake.	$3\frac{1}{2} \times 2 = 7$
T=7×1	7. Homology
SECTION—B	
UNIT—I	. 4 +(\17
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