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Reg. No.:	 ••••
Name:	

VI Semester B.Sc. Degree (CBCSS – Reg./Supple./Imp.) Examination, May 2018 CORE COURSE IN ZOOLOGY 6B13 ZLG: Ethology, Evolution and Zoogeography

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(2014 Admn. Onwards)

Time: 3 Hours

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I. Answer any one of the following:

(1×8=8)

- 1) Explain Lamarck's and Darwin's theories of Evolution.
- 2) Give a brief account on various types of Zoogeographical realms.
- II. Answer any one of the following:

 $(1 \times 8 = 8)$

- 3) Explain the role of various hormones in behavior.
- 4) Give a brief account on modern concept of evolutionary forces.
- III. Answer any two of the following:

 $(2 \times 4 = 8)$

- 5) Note on Oceanic Islands.
- 6) Explain about mimicry.
- 7) Describe on Morphological and Anatomical evidence of evolution.
- 8) Explain about social organization in honey bees.

IV. Answer any six of the following:

 $(6 \times 2 = 12)$

- 9) Bipolar distribution.
- 10) Genetic drift.
- 11) Urey-Miller experiments.

P.T.O.

K18U 0153 12) Adaptive radiation. 13) C-value paradox. 14) Darwin's finches. 15) Germplasm theory.

16) Bateson Mimicry.
V. Answer the following questions in a word or sentence: (4×1=4)
17) Pheromones secreted by silk moth is
18) India belongs to ______ realm.

19) Industrial melanism is an example for

20) Golden age of reptiles is in server shows the above a property (1) Give a beet account on volume to early such on volume a bref account on volume to early such on volume to be server as the country of the country

Answer and one of the following:

3) Explain the role of various horn mes in behavior

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is transfer on windholded and Anatomical evenue in evenues.

14) Macro Evolution.

(5) Germolasm theory.



Reg. No.:

VI Semester B.Sc. Degree (CBCSS – Regular) Examination, May 2017 (2014 Admn.)

CORE COURSE IN ZOOLOGY
6B13ZLG: Ethology, Evolution and Zoogeography

Time: 3 Hours

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Max. Marks: 40

I. Answer any one of the following:

(1×8=8)

- 1) Explain morphological, anatomical and paleontological evidences of evolution.
- 2) Give a brief account on various types of animal distribution.
- II. Answer any one of the following:

 $(1 \times 8 = 8)$

- 3) Explain various types of learning.
- 4) Give a brief account on modern concept of evolutionary forces.
- III. Answer any two of the following:

 $(2 \times 4 = 8)$

- 5) Note on oceanic Islands.
- 6) Explain about mimicry.
- 7) Describe on Lamark's theory.
- 8) Explain about social organization in honey bees.

IV. Answer any six of the following:

(6×2=12)

- 9) Circadian rhythm
- 10) Territorial behaviour
- 11) Urey-Miller experiments.
- 12) Adaptive radiation.
- 13) C-Value Paradox.

P.T.O.

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6) Explain shout minimin

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