



K19U 0348

Reg. No. :

Name :

II Semester B.Sc. Degree (CCSS – Supplementary)

Examination, April 2019

(2013 and Earlier Admissions)

CORE COURSE IN ZOOLOGY

2B02 ZLG : Evolution and Ethology

Time : 2 Hours

Max. Weightage : 16

Instruction : Give illustration *wherever necessary*.

I. Answer **any one** :

(Weightage 4)

1) Explain Darwin's theory of organic evolution.

2) Describe Social biology of social groups.

(1×4=4)

II. Answer **any three** :

(2 Weightage each)

3) Explain the concept of Industrial Melanism.

4) Make a note on morphological and anatomical evidences of evolution.

5) Comment on Geological time scales.

6) Make a note on Hardy – Weinberg equilibrium.

7) Explain the role of hormones in behaviour.

(3×2=6)

III. Answer **any four** of the following :

(Weightage 1 each)

8) Habituation

9) Mutation theory.

10) Oparin concept

P.T.O.



11) Imprinting

12) C14 method

13) Analogous organs.

14) Gene flow.

(4×1=4)

IV. Answer the following :

(Weightage 1 each)

15) Match the following :

- | | |
|---------------------|------------------|
| a) Loren'z model | Carbon dating |
| b) Homologous organ | Motivation |
| c) Coenozoic period | Vertebrate limbs |
| d) Fossils | Mammals |

16) Write **one** word for the following :

- Theory of Germplasm was proposed by
- Who disproved the theory of special creation ?
- Deutsch's model is associated with
- Father of conditioned reflex is

(2×1=2)