



**KERALA AGRICULTURAL UNIVERSITY**  
**B.Sc.(Hons) Forestry 2017 Admission**  
**II Semester Final Examination- August 2018**

Wild. 1201

Wild Life Biology (2+1)

**Marks: 50**  
**Time:2 hours**

**I Fill up the following (10x1=10)**

- 1 Examples of egg laying mammals .....and .....
- 2 Scientific study of animal behavior is called as .....
- 3 ..... marine animal is an example of Protochordata sub phylum
- 4 Nitrogenous excretory product of birds is .....
- 5 .....is a pathway that represents the exchange of energy from one organism to another

**State whether the following statements are true or false**

- 6 Stenothermal animals are temperature sensitive
- 7 Hibernation is performed by both cold and warm blooded animals
- 8 Vertebrates have closed circulatory system
- 9 Branchiostoma having notochord in larval tail
- 10 The relationship between Rhizobium and leguminous plant is an example of a mutualism

**II Write Short notes on any FIVE of the following (5x2=10)**

- 1 Define the term "wildlife"
- 2 Instinctive behavior
- 3 What are the various ways in which species interact with one another?
- 4 What are the trophic levels in a Food Chain
- 5 Taxonomy
- 6 Feral animals
- 7 Mutualism and Commensalism

**III Answer any FIVE of the following. (5x4=20)**

- 1 Territory and Home range
- 2 Density dependent factors and Density-independent limiting factors
- 3 What are the Factors that affect the Biological Carrying capacity of a habitat?
- 4 Positive values of wildlife
- 5 Project Elephant
- 6 Different types of adaptation in animals
- 7 Hibernation and Aestivation

**IV Write an essay on any ONE of the following (1x10=10)**

- 1 Define Animal behavior. Write in detail about different animal behaviors
- 2 General characters and classification of the class Mammalia.

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