



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Forestry 2015 Admission
V Semester Final Examination-February-2018
Wildlife Management (2+1)

Wild.3105

Marks: 50
Time: 2 hours
(10x1=10)

I Fill in the Blanks

- 1 An aggregation of males to engage in competitive display is known as.....behaviour.
- 2 Bengal Tiger (*Pantheratigristigris*) is currently assessed as.....
- 3 Fauna occur in South American region belong to.....Zoogeographic regions of the world.
- 4adaptation helps a prey species avoid being detected by a predator..

Match the Following

- | | |
|---------------------|------------------|
| 5 Pitfall trap | a Assam |
| 6 Golden langur | b Srivilliputtur |
| 7 Grizzled Squirrel | c Forests birds |
| 8 Point count | d Amphibians |

Define the Following

- 9 Animal home range
- 10 Hibernation

II Write Short notes on any FIVE of the following

(5x2=10)

- 1 Nearctic region
- 2 Tropical rain forests
- 3 Sherman trap
- 4 Pugmark censuses
- 5 Radio telemetry
- 6 Parasitism
- 7 CITES

III Answer any FIVE of the following.

(5x4=20)

- 1 What are the limitations in the mark-recapture method of population estimation?
- 2 Describe learned behaviour of animals with examples
- 3 Explain the Lotka-Volterra model on Prey-predator interactions
- 4 How do you calculate Natality and Mortality of rate of a population?
- 5 Describe the different types of desert biomes with example.
- 6 Describe various IUCN threatened categories.
- 7 Enumerate the goals and objectives of the 'Project Elephant'

IV Write an essay on any ONE of the following

(1x10=10)

- 1 Write detailed account on various direct methods have been used for estimating Tiger prey species abundance in Wayanad Wildlife Sanctuary.
- 2 Describe different biogeographic regions of India with typical fauna associated with each landscape.
