



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Forestry 2017 Admission
III Semester Final Examination-January 2019

Vild.2102

Ornithology (2+1)

Marks: 50
Time: 2 hours

Fill in the blanks:

(10x1=10)

- 1 Birds are characterized by the presence of bipedal locomotion and body covered with _____.
- 2 _____ are structures that physically protect, insulate, and hide eggs and young birds.
- 3 State bird of Kerala is _____.
- 4 Darwin finches refer to a group of organisms belonging to class _____.
- 5 The partial molt that some birds undergo prior to breeding season is called the _____ molt.

State True/False

- 6 Humming birds are the smallest birds
- 7 Altricial young are born helpless and require care for a specific amount of time.
- 8 The hearing capabilities of most birds far exceed those of humans.
- 9 In the eye of bird a comb like structure called pecten is present.
- 10 In aves, wings are modified hind-limbs.

Write Short notes on ANY FIVE of the following

(5x2=10)

- 1 Important bones for bird flight. (any two)
- 2 Significance of courtship in bird.
- 3 Brood parasitism.
- 4 Usefulness of birds to human kind.
- 5 Important Bird Areas (IBA) concept.
- 6 Importance of thermal currents that helps birds to gain height during flight.
- 7 Differences between soaring and flapping flight.

Answer ANY FIVE of the following

(5x4=20)

- 1 Feathers of the birds.
- 2 Three different types of nests constructed by birds.
- 3 Role of beneficial birds in agricultural ecosystem.
- 4 *Passeriformes* and *Ciconiiformes* with examples.
- 5 Digestive system of birds.
- 6 Ramsar sites of India with special reference to Kerala.
- 7 Different types of feeding habits of birds.

Answer ANY ONE of the following

(1x10=10)

- 1 Bird migration and different types of migration with suitable examples.
- 2 Economic importance of birds.
