

M.Sc.- ZOOLOGY SEMESTER –IV EXAMINATION -April -2016

Paper-14 (Animal Physiology and Neuroendocrinology)

Paper code: 3707

Time: - 2.5 Hours

Total Marks:-70

Instructions: (1) All Questions carries equal marks.

(2) Draw labeled diagram where necessary.

Q:01 Enlist the names of digestive juices. Describe the composition, function and regulation of saliva.

OR

Q:01 What do you mean by respiration? Discuss the transport of respiratory gases in human body.

Q:02 Write notes on: (a) Nitrogenous wastes

(b) Cardiac cycle

OR

Q:02 Explain the ultra structure of nephron with the help of diagram.

Q:03 What are hormones? Discuss the types of hormones

OR

Q:03 What is Neurosecretions? Describe various hormones of hypothalamus.

Q:04 Describe the hormones of adenohypophysis and their functions with their regulatory mechanism.

OR

Q:04 Write note on: (a) Pancreatic hormone

(b) Hormones of Neurohypophysis

Q:05 Write short note on: (a) Juxtaglomerular apparatus

(b) Oestrogen

OR

Q:05 Discuss the regulation of color and pigments in different groups of vertebrates?