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BSH 501



Third Semester M.Sc. Degree Examination, December 2018
(CBCS)
BIOSCIENCES
Animal Physiology

Time : 3 Hours

Max. Marks : 70

Write short notes on **any four** of the following (**not exceeding 2 pages each**) :

(4×4=16)

1. a) Ultra structure of small intestine
- b) Chylomicrons
- c) Gustation
- d) Homeostasis
- e) Functions of melatonin
- f) Muscle dystropy.

Write explanatory notes on **any five** of the following (**not exceeding 3 pages each**) :

(5×6=30)

2. Carrier concept of D-Glucose absorption.
3. Formation of urea from NH_3 of protein breakdown.
4. Crustacean neuroendocrine system.
5. Physiology of olfaction.
6. Thermoregulation in terrestrial invertebrates.
7. Endocrine function of pancreas.
8. Synaptic transmission.

Answer **any two** of the following (**not exceeding 8 pages each**) :

(2×12=24)

9. Explain the mechanism of digestion and absorption of dietary proteins.
 10. Discuss Neurophysiology of vision in mammals.
 11. Elucidate the mechanism of urine formation in mammals.
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