Extra

V. P. & R.P.T.P. SCIENCE COLLEGE

V- SEMESTER, INTERNAL EXAM-2018

ZOOLOGY, US05CZOO04 (ANIMAL PHYSIOLOGY)

5/10/2018, FRIDAY **TIME: 10am TO 12noon** **MARKS: 50**

Q-1. MULTIPLE CHOICE QUESTIONS. (8)

1. The contracting unit of skeletal muscle is

(a) Myoglobin (b) Sarcomere (c) Sarcoplasmic reticulum (d) Sarcolemma

2. In which of the following muscle contraction begins slowly but lasts for long periods

(a) Skeletal (b) Smooth (c) Cardiac (d) All of these

3. Neurotransmitters are store in

(a) Cell body (b) Dendron (c) Synaptic vesicles (d) Nissl bodies

4. Which one involved thoracic & lumber region of ANS?

(a) Sympathetic (b) Parasympathetic (c) Brain (d) All of these

5. Bile is store in

(a)Stomach (b) Gall bladder (c) Pancreas (d) Duodenum

6. For initiation of digestion, salivary enzyme needs..... pH.

(a) 5 (b) 6 (c) 6.7 (d) 7.5

7. Which one of the followings known as Pituitary tropins?

(a) Thyroxine (b) Oxytocin (c) ACTH (d) MSH

8. The..... hormone is lowers the blood calcium level.

(a) Thyroid (b) Parathyroid (c) LH (d) Thyrocalcitonin

Q-2. ANSWER IN SHORT (ANY FIVE). (10)

1. Enlist the functions of muscular tissue.
2. Explain the term muscle fatigue.
3. Name the various types of neurotransmitters.
4. Explain the conditional reflex with example.
5. Draw & labeled the T.S. of Human pancreas.
6. Write about functions of digestive system.
7. Explain the role of hormone receptors in Endocrine glands.
8. Write about the functions of parathyroid hormone.

Q-3. Describe the microscopic structure of skeletal muscles with diagram. (8)

OR

Q-3. Explain the muscle metabolism in detail. (8)

Q-4. Describe the structure of nerve fiber and its morphological classification. (8)

OR

Q-4. Describe the structure and functions of Human brain. (8)

Q-5. Describe the secretion, composition and functions of Saliva. (8)

OR

Q-5. Explain the absorption of food in Human GI tract. (8)

Q-6. Explain the action of water soluble hormone with diagram. (8)

OR

Q-6. Write an essay on structure of adrenal gland & functions of its hormones. (8)