

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

V—SEMESTER INTERNAL EXAM

ZOOLOGY, US05CZOO04

4/10/2013, FRIDAY

TIME: 3:30 TO 5pm

MARKS: 30

Q-1. MULTIPLE CHOICE QUESTIONS.

(6)

1. In which area of a skeletal muscle the thick filaments are located?

- (a) I-band      (b) Z-disc      (c) A-band      (d) NMJ

2. Intercalated discs present in

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

3. Secreted by chief cells of the stomach

- (a) HCL      (b) Inorganic salts      (c) Mucous      (d) Pepsin

4. Finger like projections of the mucosa of the small intestine that increases surface area

- (a) Circular folds      (b) Villi      (c) Longitudinal folds      (d) None

5. Follicular cells of thyroid gland secrete which hormone?

- (a) ACTH      (b) Progesterone      (c)  $T_3$  &  $T_4$       (d) Calcitonin

6. Hyposecretion of aldosterone causes

- (a) Cretinism      (b) Addison's diseases      (c) Dwarfism      (d) Diabetes

Q-2. ANSWER IN SHORT. (ANY THREE)

(6)

1. Draw the labeled diagram of Cardiac muscle fiber.

2. Name the functions of muscle tissue.

3. Write a note on composition of Saliva.

4. Explain the term defecation.

5. Give outline of chemical classification of hormones.

6. Write a note on the functions of Oxytocin.



Q-3. Describe the microscopic structure of skeletal muscle. (6)

OR

Q-3. Explain the biochemical events of muscle contraction. (6)

Q-4. Write notes on : (a) Functions of human saliva. (3)

(b) Functions of human liver. (3)

OR

Q-4. Explain the absorption from the small intestine. (6)

Q-5. Explain the action of water soluble hormones. (6)

OR

Q-5. Write a note on the functions and abnormalities of adenohiphophysis hormones. (6)

