

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 adenohypophysis hormones. (6)

