

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

I -- SEMESTER INTERNAL EXAM

BIOLOGY , US01CBIO01



7/10/2013, MONDAY

TIME: 11am to 12noon

MARKS: 30

Q-1. MULTIPLE CHOICE QUESTIONS.

(6)

1. The major function of contractile vacuole is
(a) Digestion (b) Osmoregulation (c) Absorption (d) all of these
2. The asexual kind of reproduction found in Hydra is
(a) Multiple fission (b) Sporulation (c) Budding (d) Encystment
3. Ootheca of Cockroach contains
(a) 16 zygotes (b) 8 zygotes (c) 12 zygotes (d) 10 zygotes
4. Metamorphosis in Insects is regulated by
(a) Heart (b) Haemolymph (c) corpora allata (d) None of these
5. Stone canal connects
(a) Madreporite & ring canal (b) Ring canal & radial canal
(c) Ring canal & arms (d) Ring canal & lateral canal
6. During Pearl formation, nacre synthesis from the
(a) Shell (b) Osphradium (c) Tentacles (d) Mantal epithelium

Q-2. ANSWER THE FOLLOWING QUESTIONS IN SHORT(ANY THREE) (6)

1. Draw the label diagram of external characters of Amoeba.
2. Name the cells present in epidermis of Hydra.
3. Name the mouth parts present in Cockroach.
4. Explain the complete metamorphosis in Insects with example.
5. Write the functions of body wall of Balanoglossus.
6. Name the steps involved in artificial insertion of nucleus in Pearl culture.



Q-3. Explain the locomotion in Amoeba by sol-gel theory. (6)

OR

Q-3. Explain: (a) Digestion in Hydra. (3)

(b) Locomotion by looping & gliding in Hydra. (3)

Q-4. Describe the circulatory system of Cockroach. (6)

OR

Q-4. (a) Write a note on functions of cuticle. (3)

(b) Draw the labeled diagram of Cockroach male reproductive system. (3)

Q-5. Write a note on beneficial Molluscs.(any six) (6)

OR

Q-5. Describe the water vascular system in Echinoderms. (6)