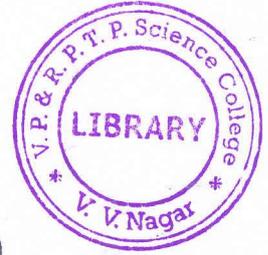


V.P. & R.P.T.P. SCIENCE COLLEGE

VI - SEMESTER INTERNAL EXAM

ZOOLOGY, US06CZOO04 (Developmental Biology)



9-3-2017, Thursday

Time: 11am to 12:30pm

Marks : 25

**Q-1. MULTIPLE CHOICE QUESTIONS.**

**(3)**

1. Eggs which contain enormous food reserve are known as  
(a) A lecithal (b) Mesolecithal (c) Microlecithal (d) Macrolecithal
2. The third cleavage of Amphioxus is  
(a) Meridional (b) Vertical (c) Horizontal (d) None of these
3. The habitat of larval stage of Frog is  
(a) Terrestrial (b) Aquatic (c) Aerial (d) All of these

**Q-2. Answer the following questions in short (any two).**

**(4)**

1. Draw and labeled the diagram of graffian follicle of mammals.
2. Write about metamorphosis occur in Amphioxus.
3. Describe the blastula stage of Frog.

**Q-3. Write a note on primary and secondary egg membranes.**

**(6)**

OR

**Q-3. Describe the haploid parthenogenesis.**

**(6)**

**Q-4. Explain the gastrulation in Amphioxus.**

**(6)**

OR

**Q-4. Describe the larval development in Amphioxus.**

**(6)**

**Q-5. Explain the mechanism of fertilization in Frog.**

**(6)**

OR

**Q-5. Describe the hatching of tadpole larva with diagram.**

**(6)**