

Total No. of Questions :4]

SEAT No. :

[Total No. of Pages :1

**P2839**

**[5029]-106**

**M.Sc. -I**

**ZOOLOGY**

**ZY-106 T: Freshwater Zoology  
(2013 Pattern) (2 Credits) (Semester - I)**

*Time : 1½ Hours]*

*[Max. Marks :25*

*Instructions to the candidates:*

- 1) Attempt any two questions from Q.No. 1 to Q.No. 3.*
- 2) Questions no. 4 is compulsory.*
- 3) Neat diagrams must be drawn wherever necessary.*
- 4) Figures to the right indicate full marks.*

**Q1) a)** Describe protective adaptations in rotifers. **[4]**

b) Give diagnostic features of fairy shrimps. **[3]**

c) Give adaptations of crocodiles. **[3]**

**Q2) a)** Describe adaptations for respiration in freshwater insects. **[5]**

b) Describe importance of pH in aquatic life. **[3]**

c) Describe oligotrophic lake. **[2]**

**Q3) a)** Explain lotic Habitat. **[4]**

b) Describe biological changes in river due to sewage pollution. **[3]**

c) Give importance of tadpole in life cycle of frog. **[3]**

**Q4)** Write short notes on (any one): **[5]**

a) Thermal stratification.

b) protective adaptations in freshwater protozoa.

*EEE*