

**Subject Code: B13103/R13****I B. Pharmacy I Semester Regular Examinations Feb. - 2014****REMEDIAL BIOLOGY-I****Time: 3 hours****Max. Marks: 70**

Question Paper Consists of **Part-A** and **Part-B**  
Answering the question in **Part-A** is Compulsory,  
Three Questions should be answered from **Part-B**

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**PART-A**

- 1.(i) Write an account of spindle fibres and their role in cell division?
- (ii) Define Phyllotaxy and describe types with examples?
- (iii) Explain polymorphism in coelenterates?
- (iv) Define Neoteny and give examples?
- (v) Describe the skeleton of Echinodermates?
- (vi) Write on locomotion of Cockroach?

[4+4+4+3+4+3]

**PART-B**

- 2.(a) Describe various types of root modifications?  
(b) Explain the structure of Amoeba with a neat labeled diagram?  
[10+6]
- 3.(a) Explain the structure and functions of different types of secretory tissues?  
(b) Write the classification of non-chordates with examples?  
[10+6]
- 4.(a) Explain the blood vascular system of Pisces?  
(b) What is a bulb? Describe various types of bulbs?  
[10+6]
- 5.(a) Explain the digestive system of Cockroach?  
(b) Write a brief note on the relationship of insects with medicinal crop diseases with suitable examples?  
[8+8]
- 6.(a) Explain the life-cycle of *Taenia solium*?  
(b) Write the differences between monocot and dicot root transverse sections?  
[10+6]
- 7.(a) Write on respiratory system of rabbit along with the mechanism of breathing?  
(b) Write on flight adaptations in birds?  
[8+8]