

BANGABASI COLLEGE  
2<sup>nd</sup> year Honours  
Mid term TEST, 2015

Time: 2 hours.

Full Marks: 50

*Attempt any five questions*

1. a. What are the postulations of Hardy-Weinberg principle of population of genetics? 5+5=10  
b. How attached X method helps in detection of visible X-linked mutations in Drosophila.
2. Write short notes on (any two): 5×2=10
3. What is extra embryonic membrane? Name the extra embryonic membrane found in chick with suitable diagram. Describe the process of formation of yolk sac in chick. 2+2+6=10
4. Write short notes on a). RIA, b). ELISA 4+6=10
5. State the role of sex hormones on accessory sex organs in male and female vertebrates. 5+5=10
6. a. Discuss the role of hormones in metamorphosis of Holometabolous insects. 6+4=10.  
b. Describe with labeled diagram the histological features of mammalian liver.