

**Part C – Essay questions**

Answer **two** questions including one from Part I and one from Part II

**Part I**

- 1) Briefly explain bird adaptations for aviary mode of life (life in the air). (30 mark)
  
- 2)
  - i) Briefly explain the issues to be addressed when animals invading the land from water. (10 mark)
  
  - ii) Amphibians are known to have two lives, life in water and life on-land. What features of amphibians limit them to fully colonize the terrestrial habitats? (10 mark)
  
  - iii) Explain the adaptations of reptiles for water conservation during their terrestrial mode of life. (10 mark)

**Part II**

- 3) Explain the life cycle of *Mucor* or *Ulva* or *Pogonatum*. (30 mark)
  
- 4) Write short notes on any three (03) of the following,
  - i) Algal Coenobium or morphology of *Chlamydomonas* cell (10 mark)
  - ii) Gametophyte of *Nephrolepis* or Sporophyte of *Nephrolepis* (10 mark)
  - iii) Angiosperm flower (10 mark)
  - iv) Cell wall of Gram negative bacteria (10 mark)

