



Time: 02 hours

Answer **four** questions only, selecting atleast **two** questions from Part A  
(Illustrate your answers with clear, labelled diagrams where necessary)

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**PART A**

1.
  - a. What is invitro fertilization (IVF) and embryo transfer (ET)?
  - b. Describe in detail the major steps that are involved in IVF and ET.
  
2. Comment on any **two** of the following:
  - a. Oogenesis
  - b. Neurulation amphibia
  - c. Regeneration in annelids
  - d. Telolecithal egg.
  
3.
  - a. What are the characters of aging?
  - b. What factors that affects ageing in human being?
  - c. Briefly describe age related learning and memory.

Contd/2

## PART B

4. Write short notes on any **three** of the following:
    - a. Parasitism
    - b. Symbiosis
    - c. Commensalism
    - d. Phoresis
  5. Write an essay on *Schistosoma mansoni* and how the disease schistosomiasis is controlled in Africa.
  6. Write an essay on *Dracunculus medinensis*.
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