

# Infection -1

## 2015/16 batch

### SGD-3 in Microbiology

Date : 02/07/2019

Time : 11.15am – 12.15pm

**Please bring written answers.**

1. A 4-year-old child from Dambadeniya area presented to paediatric ward with a history of fever and complains of joint pains. There was no clear history of a tick bite. On examination, an eschar (small wound with a black scab) was noted in the left axilla, but there was no rash.
  - 1.1 What is the most likely diagnosis?
  - 1.2 How do you explain the clinical features?
  - 1.3 How will you investigate this child?
  
2. Three young men presented to Polonnaruwa hospital with a 2-day history of high fever associated with chills, intense myalgia and deteriorating renal functions. Two required ventilation due to respiratory complications. They all gave a history of exposure to rats during their work in the paddy stores and warehouses.
  - 2.1 What infective diseases may produce these clinical features and what is the route of transmission?
  - 2.2 How can you make an etiological diagnosis of infective diseases that you have identified in 2.1
  - 2.3 How can you advise those who work in similar settings to prevent exposure to the infective agents that maybe responsible for the above clinical scenario.