**Exam sample CLS412**

1. **Examine the stained smear.**



1. **What is the stage of this protozoan?**

Trophozoite

1. **Under what condition/s could you expect to detect a trophozoite?**

* Fresh stool ( within 30 minutes of passing if faeces are diarrhoeic or 60 minutes if soft) without concentration
* The samples should be kept warm

1. **How would you distinguish between *E. histolytica /E. dispa*r and *E.coli*?**

Trophozoites with ingested red blood cells can be seen in E. histolytica.

1. **Examine the stained smear of Leishmania major.**
2. **What are the morphological forms of lesihmania?**

Amastigote and promastigote.

1. **Where does each form exist?**

* Amastigote inside macrophages of the host cell
* Promastigote in the midgut of the vector (Sand fly)

1. **Name the vector?**

Sandfly

1. **Examine the egg of this Schistosoma sp.**



1. **What is the species and why?**

* *Schistosoma mansoni*
* Because of the presence of a prominent lateral spine near the posterior end