

**Code: 206001****Reg. no.:****Second Professional MBBS Degree Examinations, April 2013****Microbiology - Paper II****Time: 2 Hours****Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

Essay:**(10)**

1. Read the clinical history and answer the following questions:

A 35 year old man presented to the medical OPD with a history of intractable diarrhea for the past one week. He gave past history of multiple exposures six months back. On clinical examination he was emaciated and oral thrush was present.

- What is the provisional diagnosis.
- Mention the different routes of transmission in this condition.
- Explain the pathogenesis of the above clinical condition.
- Describe briefly the laboratory investigations.
- What is the confirmatory test.
- Mention any four important opportunistic infections associated with this disease.

(1+1+2+3+1+2=10)**Short essay:****(2x5=10)**

2. Hydatid disease.
3. Pathogenesis and laboratory diagnosis of *Plasmodium falciparum* malariae.

Short notes:**(10x2=20)**

4. Giardiasis.
5. *Cryptosporidium parvum*.
6. Tinea versicolor
7. *Candida albicans*.
8. Mycotoxins.
9. Mucormycosis
10. Infectious mononucleosis.
11. Prophylaxis of rabies.
12. Inclusion bodies.
13. MMR vaccine.
