

**Q.P. Code: 206001****Reg. no.: .....**

Second Professional MBBS Degree Examinations, February 2016

**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 27 years old male was admitted in intensive medical care unit with drooling of saliva and fear for intake of liquids since morning. There was a past history of dog bite on his right leg ten days back.

- What is the provisional diagnosis
- Discuss briefly about the pathogenesis of the above clinical condition.
- Describe the laboratory investigations to confirm the diagnosis
- Explain the prophylaxis of this condition

**(1+3+2+4=10)****Short essay:****(2x5=10)**

2. *Ascaris lumbricoides*.
3. Pathogenesis and laboratory diagnosis of lymphatic filariasis.

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

4. Serological markers of hepatitis B infection.
5. Prophylaxis of poliomyelitis.
6. Tissue culture
7. Cryptococcosis
8. Life cycle of *Plasmodium falciparum*.
9. Piedra
10. Laboratory diagnosis of dermatophytosis.
11. *Histoplasma capsulatum*.
12. Viral haemorrhagic fever.
13. *Cysticercus cellulosae*.

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