

**Q.P. Code: 206001****Reg. no.: .....****Second Professional MBBS Degree Examinations February 2018****Microbiology - Paper II****Time: 2 Hours****Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essay: (10)**

1. A 14 years old boy presents with complaints of fever, headache, retro bulbar pain maculopapular rash, pain in the back and limbs for the past ten days. The fever is typically biphasic in nature. Answer the following.

- What is the probable diagnosis and the causative agent
- How the disease is transmitted. Name two other diseases transmitted in the same way.
- Name the investigations for specific diagnosis and test for complications
- Name two complications of this disease
- What are the preventing measures to be employed (1+2+2+3+2)

**Short essay: (2x5=10)**

2. Opportunistic fungal infections
3. Laboratory diagnosis of lymphatic filariasis

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

4. Name two parasite which causes iron deficiency anemia
5. Name the causative agent, infective form and complications of neurocysticercosis
6. Cryptococcosis
7. Name the non-neural vaccines for preventing rabies and pre-exposure prophylaxis
8. Name four oncogenic viruses and malignancy caused.
9. Name the causative agent and transmitting vector for kala azar
10. Draw the morphological structure of influenza virus
11. Sabouraud dextrose agar
12. Mention four fungi causing subcutaneous mycosis
13. Giardiasis

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