

3. Answer **any four** of the following questions : 4 x 4
- a) What is giardiasis? Write down the symptoms and treatment of giardiasis. 1+2+1
 - b) Name the causative organism and clinical manifestation of Sleeping sickness. 1+3
 - c) Why does Kala-azar skin darken? How do you diagnose this disease? 2+2
 - d) What is ova stool test? What kind of infection can be found by this test? 2+2
 - e) What is hemoparasites? What do you mean by IFA test? 2+2
 - f) What is the gold standard for leishmania diagnosis? Explain the methods. 1+3
4. Answer **any two** of the following questions : 2 x 8
- a) Mention the pathogenicity caused by the causative organism of cerebral malaria. Briefly describe the asexual life cycle of it. 3+5
 - b) What do you mean by metastatic lesion? Explain the life cycle of *E. histolytica*? 2+6
 - c) Describe briefly the life cycle of Trypanosome. Write the pathogenicity and treatment of that disease. 5+2+1

