Instructions:

1. Answer as directed.  
2. Draw neat and labeled diagrams wherever necessary.  
3. Figures to the right indicate full marks of the question.

1. Explain - Chemotherapeutic agent.
(1) Describe in brief transmission of hook worm infection.
(2) Give any two examples of hook worm.
(3) Enlist the diffusion test for antibiotic susceptibility test.
(4) What is broad spectrum antibiotic?
(6) Define : Definitive host, Parasitology.

2. Write an essay on - Ascariasis.

OR

2. Describe in detail infection caused by plasmodium.
3. Answer any two of the followings. 
   
   (1) Describe in brief collection & handling of clinical sample. 
   (2) Write a note on dilution test. 
   (3) Explain in brief microbiological examination of pus. 

4. Write short notes on: (Any two) 
   
   (1) Lab diagnosis & treatment of hook worm. 
   (2) Mode of action of antibiotics. 
   (3) E-test.