

**STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086**  
**(For Candidates admitted during the academic year 2005-06 & thereafter)**

**SUBJECT CODE: ZL/MO/PS14**

**B.Sc. DEGREE EXAMINATION NOVEMBER 2007**  
**BRANCH VI A ADVANCED ZOOLOGY AND BIOTECHNOLOGY**  
**FIRST SEMESTER**

**COURSE : MAJOR OPTIONAL**  
**PAPER : PARASITOLOGY**  
**TIME : 3 HOURS**

**MAX. MARKS: 100**

**SECTION – A**

**ANSWER ALL QUESTIONS**

**(10 x 3 = 30)**

1. What is premunition?
2. Write short notes on Schistosomiasis
3. What is a vector?
4. What is parasite, hyperparasite and parasitoid?
5. Write short notes on Gambia fever.
6. Differentiate Elephantiasis from Calabar swelling.
7. What is scolex?
8. What are the symptoms of Kalazar?
9. *Hymenolepis nana* is different from other Eucestodes – How?
10. What is apolysis?

**SECTION – B**

**ANSWER ANY FIVE QUESTIONS**

**(5 x 6 = 30)**

11. Explain briefly the life pattern exhibited by *Dracunculus medinensis*.
12. Briefly explain the effects of parasites on their hosts.
13. What are the different types of parasites?
14. Give account on the adaptations of *Ascaris lumbricoides*
15. Write short notes on *Giardia*.
16. Tabanid fly and Tsetse fly are enemies of man – Why?
17. Trace the life cycle of *Sarcoptes scabiei*.

SECTION – C

ANSWER ANY TWO QUESTIONS

(2 x 20 = 40)

18. Give a detailed account on the immune responses in Parasitic infections.
19. Describe the life cycle of *Plasmodium* sp.
20. Write an essay on Insects as vectors of diseases.
21. Explain how *Taenia solium* is adapted to parasitic mode of life.

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