

# **NGM COLLEGE (AUTONOMOUS) POLLACHI**

## **END-OF-SEMESTER EXAMINATIONS: DECEMBER- 2022**

## **B. Sc-Zoology**

**MAXIMUM MARKS: 50**

## **I SEMESTER**

**TIME: 3 HOURS**

## PART - III

## NON CHORDATA

**SECTION – A (10 X 1 = 10 MARKS)**

## **ANSWER THE FOLLOWING QUESTIONS.**

(K1)

**ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES**

(K2)

6. What is Hyperparasitism?
7. Name the Obelia larva and explain its features.
8. Write a short note on body setae.
9. Comment on spiracles.
10. Briefly tell about madreporite.

**SECTION – B** (5 X 3 = 15 MARKS)

**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.**

(Ques. No. 11 to 15 Questions for Short Answers with internal choices)

11. a) Explain the nutrition in paramecium.  
**(OR)**  
b) List out the general characters of non chordates

12. a) Illustrate the canal system in sponges.  
**(OR)**  
b) Give an account on the types of coral reefs.

13. a) Describe the structure of Ascaris.  
**(OR)**  
b) Discuss on the metamerism in Annelids.

14. a) With a neat sketch, describe the structure of mouthparts of Cockroach.  
**(OR)**  
b) Give a short account on peripatus as a living fossil.

15. a) Write briefly about the respiratory system of Pila  
**(OR)**  
b) Describe the larval forms of an Echinoderm.

**SECTION – C (5 X 5 = 25 MARKS)**

**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.**  
**(Qn. No. 16 to 20 Questions for Long Answers with internal choices (K4 (Or) K5)**

16. a) Explain in detail protozoan parasites.  
**(OR)**  
b) Outline the classification of Nonchordata upto class level with an example.

17. a) Describe the reproduction and life cycle of *Taenia solium*.  
**(OR)**  
b) How does Leucosolenia reproduce and develop?

18. a) Describe the reproduction and life cycle of Ascaris  
**(OR)**  
b) Give an account on the digestion in *Megascolex mauritti*

19. a) Discuss on any three human diseases caused by arthropods.  
**(OR)**  
b) Describe the reproductive system in *Periplanata americana*.

20. a) Describe the digestive system in *Asterial rubens*  
**(OR)**  
b) Write an essay on the economic importance of Mollusca.