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**NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS),
POLLACHI
END OF SEMESTER EXAMINATION - 2023
DEPARTMENT OF ZOOLOGY**

**B. Sc., - ZOOLOGY
SEMESTER -VI**

**MAXIMUM MARKS: 50
TIME : 2 HOURS**

**PART –IV
SKILL BASED ELECTIVE PAPER
20UZY6S3 - VERMICULTURE
SECTION - A**

ANSWER THE FOLLOWING QUESTIONS. (10 X 1 = 10 MARKS)

CHOOSE THE CORRECT ANSWER

1. Earthworm belongs to the class _____ [K1]
a) oligochaeta b) Polychaeta c) Hirudinea d) Archiannelida
2. In earthworm, respiration carried out by _____ [K1]
a) Lungs b) Buccal cavity c) Gills d) Skin
3. The period of life cycle of *Lampito mauritti* [K1]
a) 110 days b) 90 days c) 180 days d) 150 days
4. The pH range of vermiculture is _____ [K1]
a) 8 b) 7 c) 6 d) 9
5. The optimum temperature for culturing earthworm is _____ [K1]
a) 25-30° c b) 45-50° c c) 35-40° c d) 15-25° c

SHORT ANSWERS

6. Define epigeic earthworms [K2]
7. What is Clitellum? [K2]
8. Define Hermaphrodite [K2]
9. Define Vermiwash [K2]
10. List out the containers used for vermiculture [K2]

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20UZY 6S3

SECTION - B

(5 X 8 = 40 MARKS)

ANSWER ANY FIVE QUESTIONS OUT OF EIGHT QUESTIONS.

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| 11. Write the systematic position of Earthworm | [K3] |
| 12. Describe the external structure of earthworm with the diagram | [K3] |
| 13. Discuss the life cycle of earthworm | [K5] |
| 14. Write the Indoor vermicomposting methods | [K3] |
| 15. Compare the male and female reproductive system of earthworm | [K5] |
| 16. Analyze the nutrient content of vermicompost | [K5] |
| 17. Explain the maintenance of composting pit | [K4] |
| 18. Write the procedure of preparing the vermibed | [K4] |

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