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BSCZOO 283

**Choice Based Credit System IV Semester B.Sc. Degree
Examination, September 2022
Group II : Zoology (Open Elective)
VERMITECHNOLOGY
(2020 – 21 Batch Onwards)**

Time : 2 Hours

Max. Marks : 40

Instruction : Draw diagrams ***wherever*** necessary.

PART – A

I. Answer **any five** questions out of six questions : **(5×2=10)**

- 1) Give two uses of Vermicompost.
- 2) What are Anecic earthworms ?
- 3) How carbon transformation affect the soil structure ?
- 4) What is Bio-indicator ?
- 5) Enlist the chemical factors which affect the earthworm culture.
- 6) What is Secondary decomposition ?

PART – B

Unit – I

II. Answer **any two** out of three : **(4×2=8)**

- 1) Explain the food habits and food preferences of earthworms.
- 2) Give an account on reproduction in earthworm.
- 3) Write a note on habit and habitat of earthworms.

P.T.O.



III. Answer **any one** out of two :

(7×1=7)

- 1) Discuss the importance of Earthworm in Agriculture and Waste management.
- 2) Explain the general characteristics of earthworm :
 - 1) Body organization
 - 2) Shape and size
 - 3) Clitellum.

Unit – II

IV. Answer **any two** out of three :

(4×2=8)

- 1) Explain the types of organic wastes.
- 2) Give an account of physical factors affecting the earthworm culture.
- 3) Enumerate the criteria for the selection of earthworm species.

V. Answer **any one** out of two :

(7×1=7)

- 1) Enumerate the important features of :
 - i) *Eudrilus euginiae*
 - ii) *Lumbricus terrestris*
 - 2) What is vermiwash ? Explain extraction of vermiwash.
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