

**BACHELOR OF SCIENCE (CBCS-2018 COURSE)**  
**F. Y. B. Sc. Sem-II :SUMMER- 2022**  
**SUBJECT : ZOOLOGY : APPLIED ZOOLOGY (VERMICULTURE &**  
**SERICULTURE)**

Day : Wednesday  
Date : 20-07-2022

**S-18329-2022**

Time : 11:00 AM-02:00 PM  
Max. Marks : 60

**N.B. :**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

**Q.1** Attempt **ANY TWO** of the following : **(12)**

- a) Describe manure processing earthworm species.
- b) Describe large scale vermicomposting method.
- c) Describe life cycle of *Bombyx mori*.

**Q.2** Attempt **ANY TWO** of the following : **(12)**

- a) Give economic importance of vermiculture.
- b) Describe shelf, floor and shoot rearing methods.
- c) Give an account of various rearing appliances used in sericulture.

**Q.3** Attempt **ANY TWO** of the following : **(12)**

- a) Describe the factors influencing the culture of earthworms.
- b) Give an account of rearing house.
- c) Write an essay on living soil.

**Q.4** Attempt **ANY THREE** of the following: **(12)**

- a) Give the detailed account of water management of mulberry cultivation.
- b) Describe small scale vermicomposting method in garden.
- c) What is harvesting? Describe different methods used for harvesting.
- d) Write short note on pebrine or protozoan disease.

**Q.5** Attempt **ANY FOUR** of the following: **(12)**

- a) Write a note on precautionary measures of vermiculture.
- b) Write composition and uses of mulberry silk.
- c) Write a note on vermiculture in sewage treatment.
- d) Describe white muscardine disease.
- e) Describe tasar and eri silkworm.
- f) Define pruning. Discuss its objectives.

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