

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

PG DEGREE EXAMINATION DECEMBER 2023
(Third Semester)

TRANS DISCIPLINARY COURSE
(Common to PG Programmes)

SILKWORM REARING

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

1. _____ wild Mulberry variety that grow in Himalayas.
(i) *Morus alba* (ii) *Morus nigra*
(iii) *Morus serrata* (iv) *Morus multicaulis*
2. The recommended dosage of NPK for irrigated mulberry plantation is in the ratio of
(i) 2:1:1 (ii) 2:2:2
(iii) 2:1:2 (iv) 1:2:1
3. The muga silkworm is specific to
(i) Rajasthan (ii) Tamil Nadu.
(iii) J & K (iv) Assam.
4. Silkworm undergo _____ times moulting.
(i) two (ii) three
(iii) four (iv) five
5. Plastic trays with lids are used for transportation of :
(i) raw silk (ii) cocoons
(iii) silkworm eggs (iv) pupae

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

6. a) Explain the morphology of a mulberry plant.
(OR)
b) Describe the method of manuring and mulching.
7. a) Explain the deficiency diseases with particular reference to N,P,K.
(OR)
b) Discuss about the macro nutrients of mulberry.
8. a) Describe the types of silk worm.
(OR)
b) Outline the structure of silk gland.
9. a) Discuss about the types of silkworm seeds.
(OR)
b) Narrate the rearing of young age silkworm.
10. a) Give a brief account on rearing appliances.
(OR)
b) Discuss the types of mountages used in sericulture and its applications.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

11. a) Discuss about the various mulberry varieties.
(OR)
b) Narrate the planting methods and types of irrigation in moriculture.
12. a) Explain the micro and bionutrients required for moriculture.
(OR)
b) Explain the by-products of moriculture.
13. a) Illustrate the life cycle of silkworm *Bombyx mori* with a diagram.
(OR)
b) Discuss about the scope and importance of sericulture.
14. a) Elucidate the method of seed production and types of eggs in sericulture.
(OR)
b) Discuss the methods of rearing of old age silkworm.
15. a) Illustrate a model rearing house for sericulture.
(OR)
b) Discuss about the disinfection of rearing house and equipments.

Z-Z-Z

END