

CERTIFICATE IN SERICULTURE (CIS)

Term-End Examination

June, 2014

BLP - 001 : INTRODUCTION TO SERICULTURE (CIS)

Time : 2 hours

Maximum Marks : 50

Note : Attempt any five questions. All questions carry equal marks.

1. Define **any ten** of the following terms. **1x10=10**
- (a) Denier
 - (b) Uzify
 - (c) Diapause
 - (d) Acid treatment
 - (e) Reeling
 - (f) ERR
 - (g) Multivoltine
 - (h) DFL's
 - (i) Mountage
 - (j) Pest
 - (k) Deglossing
 - (l) Bio-control agent

2. (a) Who are the Stakeholders in Sericulture? **5x2=10**
- (b) Mention the optimum temperature and humidity required during Oviposition.
- (c) Name four different types of mountages used in mulberry silkworm rearing.
- (d) How do you select mulberry plant material for seed cuttings?
- (e) What is grainage ?
3. (a) Which are the main states practicing Tasar culture? **5x2=10**
- (b) Mention the different steps involved in loose egg production.
- (c) Explain the re-use of male moths in silkworms egg production.
- (d) What are the different stages in the life cycle of silkworms?
- (e) Define Shell ratio.
4. (a) What is silk ? **5x2=10**
- (b) Mention two general disinfectants used for disinfection of rearing house.

- (c) Mention four popular varieties of mulberry food plants.
 - (d) What are the methods of moth examination?
 - (e) What are the by-products of silk reeling ?
5. (a) What are the skill development activities in mulberry sericulture ? **5x2=10**
- (b) What are the steps to be taken to avoid selfing in cross breed egg production?
 - (c) What is mounting?
 - (d) Mention the types of training needs?
 - (e) Explain the advantage of dipping of bivoltine egg sheets in formative solution before acid treatment ?
6. (a) What are the norms to be followed while procuring bivoltine seed cocoons for egg production? **5x2=10**
- (b) List out any four business opportunities in sericulture industry.
 - (c) What are two important training needs in post-cocoon sector ?

- (d) Explain the sexual difference at pupal stage of mulberry silkworms.
- (e) What is Spun Silk?
7. (a) What are the uses of silk? **5x2=10**
- (b) Which are the states practising Sericulture?
- (c) Define NGO
- (d) What are the visual difference between compost and vermicompost ?
- (e) Why does sericulture practice suits Women ?
8. *Fill in the blanks:* **10x1=10**
- (a) _____ is caused due to infestation to mulberry plants by mealy bug
- (b) Female moths left to lay eggs is called _____ (process)
- (c) Vermicompost is produced with the waste material by the help of _____
- (d) At the end of larval period, the silkworms spins the _____ to protect itself.

- (e) The cost of production of silk in China is much _____ than that of India.
- (f) Silk is made up of _____
- (g) The quantity of cocoons required to produce 1 kg of raw silk is called _____
- (h) Som and Soalu are the food plants of _____ silkworms.
- (i) The chemical used for degumming of loose silkworm eggs is _____
- (j) _____ disease is transmitted from mother moth to offspring through egg.

_____ *** _____