

**CERTIFICATE IN SERICULTURE (CIS)**

**Term-End Examination  
December, 2010**

00104

**BLPI-003 : SILKWORM REARING**

*Time : 2 hours*

*Maximum Marks : 50*

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*Note : Answer any five questions. All questions carry equal marks.*

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Answer the following in 5-6 sentences (Any five)

1. (a) Classify silkworms based on voltinism 5x2=10  
(b) What is non-diapause egg ?  
(c) What do you mean by shelf (shoot) rearing ?  
(d) What should be the ideal location of a rearing house ?  
(e) What is chawki rearing ?  
(f) What are the optimal environmental conditions for late age rearing ?  
(g) What do you mean by sorting of cocoons ?
  
2. Write short notes in 3-4 sentences (Any five) 5x2=10  
(a) Disinfection  
(b) Variable costs  
(c) Brushing  
(d) Leaf preservation  
(e) Late age rearing

- (f) Mountage
- (g) Duster.

3. Differentiate between (in 3-4 Sentences ) 5x2=10

- (a) Male and female Larva.
- (b) Disinfectant and disinfection.
- (c) Bivoltine and Univoltine.
- (d) Breeds and hybrids
- (e) Tasar and Oak Tasar silkworm.

4. Fill in the blanks : 10x1=10

- (a) Tropical is *Antheraea mylitta* \_\_\_\_\_.
- (b) *Terminalia arjuna* is primary host plant of \_\_\_\_\_ silkworm.
- (c) Food plant of *Bombyx mori* is \_\_\_\_\_.
- (d) In Muga culture \_\_\_\_\_ crops taken in a year.
- (e) Blue green is race of \_\_\_\_\_ silkworm,
- (f) Harvesting of cocoon is done on \_\_\_\_\_ the day of mounting.
- (g) Shell ratio (SR%) percentage of multi x Bi hybrids ranges between \_\_\_\_\_ and \_\_\_\_\_.
- (h) Total production cost = Total fixed costs + Total \_\_\_\_\_ costs.
- (i) Optimum RH% Requirement during Late age is \_\_\_\_\_%
- (j) Bamboo made mountage is called \_\_\_\_\_.

5. (a) State 'true' or 'False' 5x1=5
- (i) Cocoon formation in Muga is done outdoor.
  - (ii) Deflossing can be done by machines.
  - (iii) Double cocoons have 2 or more pupa inside.
  - (iv) Dry twigs are used as mountage in Tasar rearing.
  - (v) Floor rearing method is practised in Kashmir region.
- (b) Describe various precautions to be taken 5  
during moulting of silkworms.

6. Answer the following in one sentence (*any ten*):

- (a) What is hatching of eggs ? 10x1=10
- (b) What do you mean by larva ?
- (c) What do you understand by multivoltine ?
- (d) What is cross breed ?
- (e) Why bed cleaning nets are used ?
- (f) What quantity of disinfectant solution is required for 1 (one) Sq. MT. Floor area ?
- (g) What do you mean by rearing house ?
- (h) What is Tray rearing method ?
- (i) What is moulting ?
- (j) What do you mean by aste room ?

- (k) What is the use of 'Jaborai' method ?
- (l) What do you mean by 'Bhorpok' in Muga rearing ?
- (m) What type eggs are laid by 'Nistari' race ?
- (n) What do you mean by 'Mandays' ?
- (o) Name one bed disinfectant used in Silkworm rearing.

7. Match the following :

10x1=10

	A		B
(a)	Mulberry	(i)	Paraffin paper
(b)	Pupa	(ii)	Bleaching powder solution
(c)	Bivoltine eggs.	(iii)	Castor
(d)	Chawki stage	(iv)	Bombyx mori
(e)	CSR2	(v)	Life cycle
(f)	Lime powder dusting	(vi)	Bivoltine breed
(g)	Tray Rearing	(vii)	Rack
(h)	Shelf Rearing	(viii)	Diapause
(i)	Eri Silkworm	(ix)	Moulting
(j)	Room disinfectant	(x)	Shoot feeding