

CERTIFICATE IN SERICULTURE (CIS)

Term-End Examination

December, 2012

BLP-001 : INTRODUCTION TO SERICULTURE

Time : 2 hours

Maximum Marks : 50

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

1. Define *any ten* of the following 10x1=10
- (a) Sericulture
 - (b) Bivoltine
 - (c) Skill
 - (d) Chawki rearing
 - (e) Renditta
 - (f) Pest
 - (g) Cellules
 - (h) Spinning
 - (i) Denier
 - (j) Fibroin
 - (k) Book
 - (l) Mounting

2. (a) List out the different stages in the life cycle of a silkworm 5x2=10
- (b) List any five constraints faced by silk industry in India.
- (c) List out the different types of defective cocoons.
- (d) What are the quality parameters of silk?
- (e) What are the main reasons for practicing sericulture?
3. (a) What are the important inputs required for quality and quantity cocoon production ? 5x2=10
- (b) What are the organizations that provide assistance for marketing?
- (c) List out the stake holders involved in silk production ?
- (d) What is Entrepreneurship development ?
- (e) List out the business opportunities under pre -cocoon sericulture.
4. (a) What are the important rearing operations ? 5x2=10
- (b) What is the method used to prepare vermicompost?
- (c) What are the visual differences between compost and vermicompost ?
- (d) Explain the procedure to produce mealy bugs.
- (e) Please give the Economics for production of *Nesolynx thymus* used to control Uzi.

5. (a) Calculate the requirement of ammonium sulphate to obtain 28kg Nitrogen 5x2=10
- (b) What is deflossing ?
- (c) How do you differentiate male silk-worm pupa from female pupa ?
- (d) List out the steps involved in silkworm egg production.
- (e) What is effective rate of rearing ?
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6. (a) What is the nutritive content of silkworm pupa ? 5x2=10
- (b) What is thrower's waste ?
- (c) What is spun silk ?
- (d) How do you calculate raw silk percentage ?
- (e) What is stiffling of cocoons ?
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7. (a) What is tenacity ? 5x2=10
- (b) What care is taken to avoid selfing during silkworm egg production?
- (c) List out the managerial skills required for silkworm egg production.
- (d) What is multivoltine?
- (e) How do you calculate reelability ?

8. Fill the blanks with suitable word 10x1=10

- (a) Eight hours of work done by an average adult is called_____
 - (b) Correct way of doing a particular activity is called_____
 - (c) Disease free layings should be free from _____ disease.
 - (d) Cost of silk production in India is _____ than that in China.
 - (e) _____ silk is produced only in India.
 - (f) _____ system is involved in transfer of technology.
 - (g) _____ is the improved mulberry variety recommended for irrigated conditions.
 - (h) Red sandy loam soils with _____ pH range is good for mulberry production.
 - (i) Cut cocoons and Pierced cocoons are used for making_____ as a value added product
 - (j) Pupation percentage should be more than _____ percent at the time of cocoon purchase for silkworm egg production.
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