

5. (a) Explain the need of quality control of honey. 4  
 (b) Describe the problems in export of honey to European countries. 4  
 (c) Describe primary and derived bee products. 4

**OR**

- (d) Explain scope of marketing of honey in Indian Market. 4  
 (e) Give purity standards for honey. 4  
 (f) Give criteria for export of honey to European Union. 4
6. Give the account of rules for honey house and processing of honey. 12

**OR**

Give regulation for protecting bee colonies from spraying. 12

7. Discuss the way of extension of beekeeping in rural India and explain difficulties in extension. 12

**OR**

Give account of Khadi and Village Industries Board—its working, extension and marketing strategy in Maharashtra. 12

**B.Sc. (Part-III) Semester-VI Examination**  
**6S : APICULTURE**  
**(Management, Marketing & Extension)**

Time—Three Hours]

[Maximum Marks—80

**N.B. :— All questions are compulsory and Question Nos. 2-7 carry equal marks.**

1. (a) Fill in the blanks :

(a) \_\_\_\_\_ is converted into honey by bees. ½

(b) Barometer is used for to record atmospheric \_\_\_\_\_. ½

(c) Largest bee in the colony is \_\_\_\_\_. ½

(d) Hygrometer is used to record atmospheric \_\_\_\_\_. ½

- (b) Choose correct option :

(a) Natural A. Cerarca Colony is generally present at :

(i) Water Tanks

(ii) Trunk of trees

(iii) On Shrubs. ½

- (b) Queen bee will stop egg laying during :
- (i) Dearth period
- (ii) Honey flow
- (iii) Spring  $\frac{1}{2}$
- (c) Artificial food given to bee colony is :
- (i) Nectar
- (ii) Paste of Pollen and honey
- (iii) Floor  $\frac{1}{2}$
- (d) Queen cell is built by :
- (i) Drone
- (ii) Worker
- (iii) Queen.  $\frac{1}{2}$
- (e) Answer in **one** sentence :
- (a) What is Swarm ? 1
- (b) Define Foraging. 1
- (c) What is Migration ? 1
- (d) Define Dearth Period. 1
2. (a) Explain favourable climatic condition for beekeeping. 4
- (b) Describe criteria for selection of area for beekeeping. 4
- (c) What do you mean by apiary ? Give its functions. 4

**OR**

- (d) Explain need of monitoring of temperature and humidity in apiary. 4
- (e) Explain criteria for selection of terrain for apiary. 4
- (f) How will you make the arrangement of water at apiary site ? 4
3. (a) How do you produce comb honey ? 4
- (b) Explain the use of pre-recorded weather data in beekeeping. 4
- (c) Which points should be considered while selecting the apiary site ? 4

**OR**

- (d) Give the advantages of migratory beekeeping. 4
- (e) Explain the need of seasonal management of bee colony. 4
- (f) Explain pollination service. 4
4. (a) How do you control the swarm ? 4
- (b) How do you prevent dissention ? 4
- (c) Explain the situation, when queen rearing is to be done in the colony. 4

**OR**

- (d) Give short account of uniting of bee colonies. 4
- (e) Explain the advantages of inspection of bee colony. 4
- (f) Explain Swarm and give its causes. 4