

B.Sc. (Part—III) Semester—VI Examination
APICULTURE
(Management, Marketing and Extension)

Time : Three Hours]

[Maximum Marks : 80

Note :— ALL questions are compulsory, question numbers 2 to 7 carry equal marks.

1. (A) Fill in the blanks :—

- (i) _____ bee is the largest bee in a colony. ½
- (ii) _____ instrument is used to record wind speed. ½
- (iii) _____ is the mass of hexagonal cells of wax built by honey bees. ½
- (iv) _____ is the place where honey bee hives are kept. ½

(B) Choose correct option :—

- (i) A fertile female honey bee : ½
- (a) queen (b) drone
- (c) worker (d) laying worker
- (ii) The largest cell in hive : ½
- (a) Worker cell (b) Queen cell
- (c) Drone cell (d) Brood cell
- (iii) Swarming occurs during :— ½
- (a) Spring (b) Winter
- (c) Summer (d) Any season
- (iv) The process of migration of the complete colony from one place to another is called : ½
- (a) Robbing (b) Swarming
- (c) Absconding (d) Supersedure

(C) Answer in one sentence each :—

- (i) What is apiary ? 1
- (ii) Define migration 1
- (iii) What is drone ? 1
- (iv) What is the long form of KVIB ? 1

- 2. (a) Explain criteria for apiary site. 4
- (b) Describe the precautions during handling of colony. 4
- (c) Write morphological characters of queen bee in colony. 4

OR

- (d) Explain the factors while establishing apiary at the site. 4
- (e) Describe method of extraction of honey hygienically. 4
- (f) Describe advantages of periodic inspection of colonies. 4
- 3. (g) Explain which steps are to be taken during winter season for bee colonies ? 4
- (h) Describe importance of various weather parameters for bee keeping. 4
- (i) Explain disadvantages of Laying workers. 4

OR

- (j) What is migratory beekeeping ? 4
- (k) Explain management of bee colonies during Summer. 4
- (l) Explain term pollination services. 4
- 4. (i) Explain any one method of queen rearing. Give advantages. 6
- (ii) What is queen cell ? How queen get formed in colony ? 6

OR

- (iii) What are causes of laying workers ? Explain in brief feeding. 6
- (iv) Explain types of swarm and describe methods of swarm control. 6

5. (m) Describe market for bees wax in India. 4
(n) Explain scope for export of honey. 4
(o) Explain need of quality control of honey. 4

OR

- (p) Describe present status of marketing of honey in Maharashtra. 4
(q) Give standards for honey. 4
(r) Explain limitations of export of honey. 4
6. (v) Explain major honey producing countries in the world and describe why there are restrictions on import of bee colonies. 6
(vi) Give rules and lay-out for honey processing plant. 6

OR

- (vii) Explain rules regarding packing and adulteration of honey. 6
(viii) Explain steps to protect bees from indiscriminate spraying. 6
7. (s) Explain the scope of extension of beekeeping in rural areas. 4
(t) Which are the objectives of beekeeping extension in rural areas ? 4
(u) Describe Khadi and Village Industries Board (KVIB). 4

OR

- (v) Explain role of CBRTI in extension of Beekeeping. 4
(w) Describe beekeeping as agro industry. 4
(x) Give economics of beekeeping. 4

