

- (d) Explain various advantages of colony migration. 4
- (e) Prepare the list of cultivated bee crop of your area. 4
- (f) Give account of tribes and their income source of melghat. 4
4. (a) Describe longstroth hive. 4
- (b) Explain use of swarm net and bee veil. 4
- (c) Describe advantages of comb foundation sheet. 4
- OR**
- (d) Explain bee frames and queen gate with its role in hive. 4
- (e) What is the difference between normal hive of *A. cerena* and *A. mellifera* ? 4
- (f) Explain use of smoker and hand gloves. 4
5. (a) Explain detail method of uniting two bee colonies. 6
- (b) Give the different function/role of worker bees in colony. 6
- OR**
- (c) Give account of queen cell formation and describe queen mating. 6
- (d) Explain method of division of a strong colony. 6
6. (a) Explain required climatic conditions for Apiary. 4
- (b) Explain foraging range of bees: how it can be maintained ? 4
- (c) Explain topographical requirement for Apiary. 4
- OR**
- (d) Describe criteria for optimum number of hives at the site. 4
- (e) Define foraging and explain minimum foraging requirement to bees. 4
- (f) What is Apiary ? Explain its significance. 4
7. Discuss way to note colony record and explain its need. 12
- OR**
- Explain strength, pollen income, honey yield in same colony. 12