



## **MODULE 1**

### **HONEYBEE MANAGEMENT**

The Candidate shall be able to give a detailed account of:-

- 1.1 the types of hives and frames used by beekeepers in the United Kingdom; (frame measurements are not required)
- 1.2 the principles which govern the design of hives and frames, including the concept of bee space, and the main features of their construction;
- 1.3 the use of wax foundation and how it can be made on a small scale;
- 1.4 methods of fitting frames with wax foundation;
- 1.5 the methods of spacing frames in hives, the usual measurements used and the advantages and disadvantages of varying the spacing;
- 1.6 how to begin beekeeping, including the acquisition of bees, sources of equipment, costs and any precautions necessary;
- 1.7 the criteria used in the selection of apiaries;
- 1.8 the factors to be considered in the siting of colonies in home and in out-apiaries;
- 1.9 good apiary hygiene;
- 1.10 the variable temperament of bees in relation to management and public relations;
- 1.11 the actions which can be taken to avoid bad-tempered bees causing a nuisance to members of the public;
- 1.12 the year's work in the apiary and how this is dependent upon the annual colony cycle and the timing of local bee forage;
- 1.13 the drifting of honeybees, the dangers caused and techniques used to minimise the problem;
- 1.14 the principles involved in feeding honeybees, including types of feeder, amounts of food, types of food and timing of feeding;
- 1.15 the value of honey and pollen to the honeybee colony;
- 1.16 the prevention, detection and control of swarming;
- 1.17 the use, and types, of queen excluder used in the United Kingdom;
- 1.18 one method of swarm control used in small-scale beekeeping enterprises;
- 1.19 the methods of making nuclei and the uses to which nuclei can be put;
- 1.20 how swarms and nuclei can be turned into productive colonies;
- 1.21 methods of taking and hiving a swarm of honeybees;
- 1.22 the methods used to unite colonies of honeybees, the underlying principles of these methods and any precautions that should be taken;
- 1.23 robbing by honeybees and wasps and the associated dangers, including prevention and curtailment;
- 1.24 spring management of honeybee colonies;
- 1.25 management of honeybee colonies for honey production from oil seed rape;
- 1.26 summer management of honeybee colonies;
- 1.27 moving colonies and the difficulties and dangers involved;
- 1.28 different methods of 'clearing' bees from supers;
- 1.29 how colonies are prepared for the winter period and the principles underlying this preparation;
- 1.30 the effect of honeybee stings and recommended first aid treatment.