

THE BRITISH BEEKEEPERS' ASSOCIATION

Founded in 1874

Registered Charity No. 212025

EXAMINATION FOR PROFICIENCY IN APICULTURE MODULE 1 HONEYBEE MANAGEMENT

22nd March 2014 Time Allowed 1½ hours

Candidate Number:

Instructions to Candidates

Read the questions carefully. Answer All Sections. It is recommended not to spend more than 10 minutes on Section A, 50 minutes on Section B or 30 minutes on Section C.

Unless stated otherwise questions apply to Honeybees.

Use **BLACK** pen for text. **Black** pencil may only be used for diagrams. **DO NOT USE COLOURS.**

Examiner Use Only

Question	Sec A	B11	B12	B13	B14	B15	C16	C17	Total
Mark									
Moderated									

SECTION A (10 marks, 1 for each question)

Answer **ALL** the questions in this section. Use one or two word or short phrase answers. Please write your answers to Section A on the question paper.

- Q1 Name a hive that uses British Standard frames in the brood box but with short lugs.
- Q2 Name one type of clearer board used for removing bees from supers.
- Q3 What sort of queen would you normally find in a cast?
- Q4 Hives in an apiary are seen to be wrapped in wire netting. What is the purpose of this?
- Q5 Name one type of large capacity feeder for sugar syrup.
- Q6 Name one piece of essential equipment used to collect a swarm.
- Q7 Name one reason for using unwired foundation.
- Q8 What is the best time of day to feed bees?
- Q9 Why do bees need pollen?
- Q10 What dimension, in millimetres, is bee space?

PLEASE HAND IN THIS SHEET AT THE END OF THE EXAMINATION

MODULE 1 HONEYBEE MANAGEMENT

22nd March 2014

SECTION B (60 marks, 15 for each question)

Answer any **FOUR** questions from this section. **Write short notes for your answers.**

Marks

- Q11 A colony is going into winter after the honey crop has been removed. List any actions required to sustain the colony until the first spring inspections in late March. 15
- Q12 A strong colony of bees in a brood box and one super over a queen excluder and situated in a remote rural apiary, has become vicious. List the actions to be taken by the beekeeper to overcome this situation. 15
- Q13 (a) List the steps to be taken when moving a colony of bees, in late April, to a new site which is thirty miles away from the home apiary. 11
(b) On the journey, the beekeeper is delayed in traffic for several hours. What action should be taken? 4
- Q14 (a) Tabulate the advantages and disadvantages of three types of queen excluder. 9
(b) List the situations where queen excluders can be used. 6
- Q15 A colony in an apiary is failing to build up and there are no eggs. 3
(a) Describe a method of determining whether the colony is queen right. 3
(b) A colony has a drone laying queen, give:
(i) the reasons for this condition; 4
(ii) the visual signs within the colony; 4
(iii) methods for rectifying the situation. 4

SECTION C (30 marks)

Answer **ONE** question from this section. Give *labelled* diagrams where applicable.

- Q16 A local association gets repeated requests from beginners regarding what **equipment** they need to buy to **start beekeeping**. Produce an advice leaflet which can be given to beginners which provides this information, including reasons for choices. 30
- Q17 (a) On examining a colony in May, advanced open queen cells are found. Describe with the aid of a diagram, **one method** of swarm control and aim to end the season with the same number of colonies. 17
(b) What measures could a beekeeper have adopted to minimise the likelihood of this colony swarming? 13