

THE BRITISH BEEKEEPERS' ASSOCIATION

Founded in 1874

Registered Charity No. 212025

EXAMINATION FOR PROFICIENCY IN APICULTURE MODULE 1 HONEYBEE MANAGEMENT

10th November 2012 Time Allowed 1½ hours

Exam 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.**

Please start each question on a new side of paper.

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.

- Q1 Approximately how many worker cells are in a standard National brood frame?
- Q2 What do bees forage other than nectar and pollen?
- Q3 Name two common types of clearer device.
- Q4 Name 2 types of queen excluder.
- Q5 At what age is it recommended that brood combs be replaced?
- Q6 How frequently should a colony be inspected to check for unsealed queen cells?
- Q7 If queenlessness in a colony is suspected how may this be verified.
- Q8 Give two locations in a hive where bee space must be maintained.
- Q9 Which hive type has the largest frame size?
- Q10 Name two methods of swarm control.

PLEASE HAND IN THIS SHEET AT THE END OF THE EXAMINATION

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SECTION B (60 marks, 15 for each question)

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

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| Q11 | List the stages in uniting together two queen right colonies, both with supers. | 15 |
| Q12 | A new beekeeper wishes to start beekeeping using second hand equipment. What advice should be given? | 15 |
| Q13 | Describe briefly the most important things to look for when inspecting a colony of honeybees in spring and summer. | 15 |
| Q14 | (a) Describe one way to mark and clip a queen. | 10 |
| | (b) Using the international queen marking colour code, what years would white denote? | 1 |
| | (c) Give reasons why a queen is clipped and marked. | 4 |
| Q15 | (a) Describe the circumstances which can lead to robbing by honeybees and what precautions the beekeeper should take to avoid robbing? | 10 |
| | (b) What are the possible consequences of robbing? | 5 |

SECTION C (30 marks)

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

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| Q16 | (a) With the aid of a diagram, describe the requirements for the ideal rural apiary location for 6 to 10 colonies. | 20 |
| | (b) Discuss the different requirements for a suburban home apiary. | 10 |
| Q17 | (a) Swarming is the natural method of reproduction for a honeybee colony. Describe the conditions in a colony that lead to swarming. How does knowledge of these conditions lead to methods of swarm prevention? | 20 |
| | (b) Describe in detail one method of swarm control with the outcome that the colony is unlikely to swarm in that year, and honey production is not compromised. | 10 |