

THE BRITISH BEEKEEPERS' ASSOCIATION

Founded in 1874

Registered Charity No. 212025

EXAMINATION FOR PROFICIENCY IN APICULTURE MODULE 8 HONEYBEE MANAGEMENT, HEALTH AND HISTORY

14th November 2015 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 on the question paper.

- Q1 What component of honey would cause rapid granulation with a fine grain?
- Q2 Which instrument is commonly used to measure the water content of honey?
- Q3 Which author wrote 'The Feminine Monarchie'?
- Q4 Where on the worker bee's body is the Nasonov gland located?
- Q5 Name the piece of equipment associated with Abbe Collin.
- Q6 What is the minimum height of the type font for the weight of 340g on the label of a jar of honey?
- Q7 What did Dr Colin Butler discover in 1954?
- Q8 What is melissopalynology?
- Q9 On what part of the body other than the corbicula do some solitary bees carry pollen?
- Q10 Name the hive associated with Simmins.

PLEASE HAND IN THIS SHEET AT THE END OF THE EXAMINATION

MODULE 8 HONEYBEE MANAGEMENT AND HISTORY

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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

- Q11 (a) What is the main sign of *Nosema apis*, and how can it be diagnosed in the laboratory? 5
(b) Outline the management of a weak infected colony to control the disease. 10
- Q12 Write a set of rules for an Association Apiary to prevent the spread of disease between colonies within the apiary and to the members own colonies. 15
- Q13 (a) Starting from a 10 litre bucket of granulated honey List the steps of how to prepare jars of liquid honey ready for sale. 7
(b) Draw a label with all the required information for retail sale, in accordance with the current UK honey regulations. 8
- Q14 List the differences in management of colonies between the South East of England near autumn sown Oil Seed Rape and an area in North West of England with no arable crops, but an abundance on Himalayan Balsam. 15
- Q15 (a) Other than docility and non-swarming list the criteria used to assess a queen? 10
(b) How could a colony be managed to extend the life of the queen for breeding purposes? 2
(c) Give three ways in which a colony on a single National brood box can be managed to build into a cell raising colony. 3

SECTION C (30 marks)

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

- Q16 (a) Describe one method of producing foundation on a small scale sufficient for a beekeeper with 10 hives. 12
(b) Name another piece of equipment that can be used for this task. 1
(c) Describe with the aid of a diagram how to wire a frame and then fix and embed this foundation. 17
- Q17 (a) Detail the management throughout the season of colonies to be used for *ling heather* production. 12
(b) Outline the method of extracting and bottling of *ling heather* honey and state the problems associated with this honey. 10
(c) If the honey is to be sold as cut comb, describe how this would be prepared and packaged for sale? 8