

THE BRITISH BEEKEEPERS' ASSOCIATION

Founded in 1874

Registered Charity No. 212025

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

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 Name an instrument used to test the specific gravity of honey.
- Q2 In the current UK regulations state the minimum height of numerals to be used on honey labels where the weight exceeds 50g but does not exceed 1kg.
- Q3 *Melissopalynology* is the study of?
- Q4 What is the optimum temperature to promote honey granulation?
- Q5 Give the year the current Honey (England) Regulations came into force.
- Q6 Name the American who invented the bee escape.
- Q7 State what cuckoo bumblebees lack on their hind legs.
- Q8 Name the Austrian who discovered parthenogenesis.
- Q9 Give the full name of a substance that increases when honey is heated.
- Q10 Give one reason why irradiation might not be an appropriate treatment following infection by AFB.

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) List the contributions made to beekeeping by the following: 11
(i) T W Cowan
(ii) Langstroth
- (b) State the major inventions by the following beekeepers: 4
(i) Moses Quimby
(ii) Johannes Mehring
(iii) Major von Hruschka
(iv) Harrison Ashforth
- Q12 List the main constituents, properties and uses of the following: 5
(a) Propolis
(b) Beeswax 10
- Q13 List the items of equipment and outline a method for making a pollen slide from a sample of a honey. 15
- Q14 List the main procedures necessary for good apiary hygiene. 15
- Q15 Describe the management of a colony of bees for the production of ling heather honey. 15
(Your answer should include: colony preparation, movement of colonies, return of colonies and extraction of honey. Do not include management on site or swarm prevention/control in your answer.)

SECTION C (30 marks)

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

- Q16 Describe two methods of swarm control and the advantages of each method: 15
(a) A simple method to stop the colony from swarming where the honey crop is of little importance. (cutting out queen cells is not acceptable as a method)
(b) A method which will not compromise a potential honey crop. 15
- Q17 Describe the process relating to the handling and demonstrating of live honeybees at a county agricultural show. Your answer should include planning before the show, preparation of the colony, organisation of the area, demonstration during the show, removal of bees after the show and any safety precautions you consider necessary. 30