

# THE BRITISH BEEKEEPERS' ASSOCIATION

Founded in 1874

Registered Charity No. 212025

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

22<sup>nd</sup> 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 on the question paper.

- Q1 What is the optimum temperature to promote honey granulation? .....
- Q2 What instrument is commonly used to measure the specific gravity of honey? .....
- Q3 Name the English beekeeper who wrote 'Guide to Bees and Honey'. .....
- Q4 Name the exocrine gland used by workers to attract flying workers. ....
- Q5 Name the piece of equipment associated with Dr C C Miller. ....
- Q6 Name the outer layer of the pollen grain. ....
- Q7 What did Dr J Dzierzon discover? .....
- Q8 What does hygroscopic mean? .....
- Q9 What is the melting point of beeswax? .....
- Q10 Name the hive associated with Robert Ker. ....

**PLEASE HAND IN THIS SHEET AT THE END OF THE EXAMINATION**

# MODULE 8 HONEYBEE MANAGEMENT AND HISTORY

22<sup>nd</sup> 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 List the points to be considered when entering into a pollination agreement with a farmer/grower. 15
- Q12 List the essential points to be considered before providing live bee handling at a two day local agricultural show. 15
- Q13 (a) List five uses of an observation hive. 5  
(b) For one of these uses given above, list the steps to be taken in setting up an observation hive and managing it throughout the active season. 10
- Q14 Describe good hygiene practices relating to personal clothing, manipulations and equipment to minimise the spread of disease between colonies and apiaries. 15
- Q15 Describe briefly the annual life cycle of the bumble bee. 15

## SECTION C (30 marks)

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

- Q16 Describe the causes and signs of the Notifiable brood diseases affecting honeybees. How should a colony be examined for these diseases? 30
- Q17 Compare the management of honeybee colonies for the production of autumn sown oilseed rape honey and ling heather honey. Do not include the move to the crops or management on the crop. Explain how to overcome the problems associated with extracting either of these honeys. 30