

THE NATIONAL DIPLOMA IN BEEKEEPING EXAMINATION BOARD

EXAMINATION FOR THE NATIONAL DIPLOMA IN BEEKEEPING

MARCH 2019

Instructions to Candidates:

Candidate
Number:

Time allowed: 3 hours. Read the questions carefully.

Answer **FOUR** questions only, including the compulsory question.

25 marks are awarded per question. Unless stated otherwise, questions apply to honey bees.

Begin each answer on a new side of paper, writing your candidate number in the upper right corner.

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

1. **Compulsory question**

Discuss the benefits and disadvantages of natural beekeeping, both for bees and for the wider environment.

2. A beekeeper asks you to analyse their honey to describe the floral origin. Explain the practical steps needed to create a microscope slide starting from a jar of honey, requirements for the microscope and the method of identifying pollen grains, including illustrations where appropriate, along with any precautions needed to describe the original nectar sources accurately.
3. Discuss the criteria that a judge may use to assess honey on the show bench.
4. Describe the life history of a solitary bee as well as a social bee (other than a honey bee). Describe relevant physical differences to honey bees. Compare and contrast their efficiency for pollination.
5. Discuss various methods for changing comb.
6. Give an account of the work of any four of the following: Eva Crane, Ingrid Williams, Dorothy Hodges, Lesley Goodman, Brenda Ball.