



Candidate Number:

THE NATIONAL DIPLOMA IN BEEKEEPING

21st March 2015

Instructions to Candidates

Read the questions carefully.

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.

Answer **Four** questions only.

Time Allowed 3 hours

Compulsory question:

- 1) The small hive beetle was discovered in Italy in September 2014. Outline the discovery and measures taken by the Italian government. Discuss the implications of the discovery for Europe as a whole and the UK in particular. (25)

Answer any THREE of the following:

- 2) You have been approached by a local beekeeping association wanting to set up a project to improve the local bees using the resources of many beekeepers. Outline plans for a breeding programme and queen rearing operation along these lines. (25)
- 3) Give an account of the work of any four of the following: Brother Adam, Annie Betts, H A Dade, François Huber, Rev. Lorenzo Langstroth, R O B Manley. (25)
- 4) In May, a phone call was received from an inexperienced beekeeper who found queen cells in their colony. The queen is not marked and is rarely seen when inspecting the colony. The beekeeper is concerned that the colony might swarm. Describe in detail the advice that should be given to the beekeeper to ensure successful management of the colony for the rest of the season. (25)
- 5) At an Agricultural show, an observation hive, located in a marquee, has been knocked over by a member of the public. The glass broke and bees escaped stinging several visitors. Discuss any legislation applying to having live bees at a show, any steps that should have been taken to avoid this happening, and the advice that should be given immediately after the incident to the beekeeping association and the show organisers. (25)
- 6) Discuss the legislation regarding importation of honeybees to the UK. What are the advantages and disadvantages of importation of honeybees to beekeeping in the UK. (25)
- 7) Describe how the honeybee colony regulates its pollen reserve. What effect do diseases have on honeybee behaviour? (25)