THE BRITISH BEEKEEPERS' ASSOCIATION Founded in 1874

Registered Charity No. 212025

EXAMINATION FOR PROFICIENCY IN APICULTURE

MODULE 3 HONEYBEE DISEASES, PESTS AND POISONING

Candidate Number:

19th March 2016 Time Allowed 1¹/₂ hours

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 and 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									

(10 marks, 1 for each question) SECTION A

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	Name the causative organism of stone brood.
Q2	What do the initials BQCV stand for?
Q3	Name the approved oxalic acid treatment.
Q4	What is the common name of Aethina tumida?
Q5	Where would a beekeeper find Small Hive Beetle pupa?
Q6	What piece of equipment is necessary for the diagnosis of <i>Acarine</i> ?
Q7	Which pest or disease is notifiable in the UK but not generally in the EU?
Q8	What action should be taken on warning of pesticide spraying close to an apiary?
Q9	What magnification is used to look at <i>Nosema sp</i> . Spores?
Q10	Where in a bee might amoeba be found?

PLEASE HAND IN THIS SHEET AT THE END OF THE EXAMINATION

MODULE 3 HONEYBEE DISEASES, PESTS AND POISONING 19th March 2016

	FION I er any I	B (60 marks, 15 for each question) FOUR questions from this section. Write short notes for your answers.	Marks		
Q11	Describe the actions of a bee inspector in an apiary, after diagnosing AFB.				
Q12	Some diseases leave scales within brood cells. Identify these diseases and the action to be taken in each case.				
Q13	Describe in a step by step manner how a shook swarm is carried out when a mild case of EFB is discovered.				
Q14	(a) (b)	Briefly describe methods of storing combs for winter. Give methods for treating diseases and pests in stored comb stating the pest or disease as well as the method.			

SECTION C (30 marks) Answer ONE question from this section. Give *labelled* diagrams where applicable.

Q16	There are several winged pests, current and potential, for honey bee colonies.Name six and in each case describe how to recognise, the effect they have on thecolony and measures that can be taken to minimise the problems.30				
Q17	(a)	Compare the signs of poisoning and CBPV.	7		
	(b)	Describe the actions that should be taken by the beekeeper in each case.	14		
	(c)	What is the normal follow up action in a reported case of poisoning?	9		