

Scottish Beekeepers' Association

Education and Examination Committee



Syllabus

of Examination in Apiculture

SCOTTISH JUNIOR BEEKEEPER CERTIFICATE

MULTIPLE CHOICE ANSWERS

MULTIPLE CHOICE QUESTION LIST WITH ANSWERS

Examiners shall compose a multiple choice paper containing 10 questions typically taken from the following list.

The candidate shall be allowed up to 10 minutes to answer the questions.

1) How many queens usually live in a bee colony?

- 1 ✓
- 2
- 3
- 4

2) How many days does the egg stage last?

- 2
- 3 ✓
- 4
- 5

3) How many wings does a bee have?

- 2
- 3
- 4 ✓
- 5

4) How does the bee carry the pollen back to its colony?

- In its body
- On its front legs
- On its middle legs
- On its rear legs ✓

5) Which organ prevents the nectar collected, being passed through into the bee's digestive system in order that it can be regurgitated back at the hive?

- Honey bladder
- Gut
- Proventriculus valve ✓
- Gullet

6) What colour is the bee's blood?

- Red
- White
- Clear ✓
- Black

7) What does pollen consist of mainly?

- Carbohydrates
- Protein ✓
- Fat

None of the three

8) How long does a worker bee live in the summer?

- about 2 weeks
- about 2 months ✓
- about 4 months
- about 6 months

9) What is varroa?

- a fungus
- a bacterium
- an insect
- an arachnid mite ✓

10) Where are the most varroa usually found?

- in the cells of developing workers
- in the cells of developing queens
- in the cells of developing drones ✓
- on the adult bee

11) Where is the surplus honey stored in the bee colony?

- under the offspring or brood nest
- above the brood nest ✓
- in the brood nest
- in front of the brood nest

12) What does the bee use to orientate itself when flying during overcast weather without sunshine?

- 3 simple eyes
- the 2 compound eyes ✓
- antennae
- legs

13) How many worker bees make up about 1 kilo?

- 32,000 bees
- 24,000 bees
- 17,000 bees
- 11,000 bees ✓

14) What colour can the honey bee not see?

- Red ✓
- Blue
- Green
- Yellow

15) How many segments are there in the abdomen of the worker bee?

- 2
- 4
- 6
- 8 ✓

16) Does the sting of the queen have sharply barbed hooks which prevent it being withdrawn?

- yes
- no ✓

17) Does the male bee have a sting?

- yes
- no ✓

18) What does the beekeeper feed the bees with?

- Milk
- Herbs
- Sugar ✓
- Fruit

19) What is the International Federation of Beekeepers called?

- FIS
- FIFA
- IOC
- Apimondia ✓

20) What is not a bee product?

- Honey
- Beeswax
- Nectar ✓
- Bee poison

21) How many corners (sides) does a honeycomb cell have?

- 4
- 5
- 6 ✓
- 8

22) Do bees have hair?

- yes ✓
- no

23) What is the name of the bees' dance when nectar can be collected in fewer than 100 metres?

- Round dance ✓
- Wag-Tail dance

24) How long does the development of a **worker** bee take from laying of egg to emerging as a fully formed adult?

- 16 days
- 19 days
- 21 days ✓
- 24 days

25) How long does the development of a male bee (drone) take?

- 16 days
- 19 days
- 21 days
- 24 days ✓

26) How long does the development of a queen take?

- 16 days ✓
- 19 days
- 21 days
- 24 days

27) What is the maximum life of a queen?

- 6 months
- 1 year
- 3 years
- 5 years ✓

28) How many eggs can a queen lay one day?

- 500
- 1000
- 1500
- 2000 ✓

29) Do drones also collect nectar?

- yes
- no ✓

30) How many legs does a bee have?

- 2
- 4
- 6 ✓
- 8

31) What is the name given to a colony of bees

- A Supergrass
- A Superorganism ✓
- A Collective
- A Family