

IMYB 2016 – Test /ENGLISH/

1. **What is the approximate amount of water in honey?**
 - a. 18 %
 - b. 25 %
 - c. 12%
2. **What is the temperature in the centre of a brood comb?**
 - a. 22 °C
 - b. 28 °C
 - c. 35 °C
3. **What is the name of the gland whose secretion serves for the scent orientation of bees?**
 - a. Nasanov's Gland
 - b. Alkaline Gland
 - c. Hypopharyngeal Gland
4. **What is varroa?**
 - a. a fungal disease
 - b. a virus
 - c. a parasite
5. **What is the significance of pollen for a hive?**
 - a. it is a source of proteins
 - b. it is a source of carbohydrates
 - c. it is used for building honeycombs
6. **Why should you not use antibiotics in hives?**
 - a. because bees are allergic to antibiotics
 - b. because beekeepers could be allergic to antibiotics
 - c. because the antibiotics can get into the food chain
7. **Where do bees get propolis?**
 - a. from leaves
 - b. from buds
 - c. from flowers
8. **What do bees use propolis for?**
 - a. as a sealant and for disinfection
 - b. as nourishment for larvae
 - c. to produce royal jelly
9. **Why does a beekeeper use formic acid?**
 - a. to disinfect frames
 - b. to fight against wax moths
 - c. to treat varroa
10. **How long does the metamorphosis of the queen bee take (from an egg to adulthood)?**
 - a. 16 days
 - b. 21 days
 - c. 24 days
11. **Who lays more eggs into a brood cell?:**
 - a. an old queen
 - b. a young queen
 - c. a female worker bee
12. **How much sperm does a young queen have stored in her spermatheca?**
 - a. 2 million

- b. 6 million
 - c. 1 million
13. **How many eggs can a queen lay in one day?**
- a. 1,500 eggs
 - b. 500 eggs
 - c. 750 eggs
14. **How many eyes does a bee have?**
- a. 5 eyes
 - b. 6 eyes
 - c. 2 eyes
15. **What is a bee's first activity after hatching?**
- a. They consume honey and grow
 - b. They fly out of the hive to look for sources of honey (broods)
 - c. They clean the cell that they hatched from
16. **What colour does the body fluid (lymph) of a bee have?**
- a. red
 - b. white
 - c. clear
17. **Where is honey stored in the hive?**
- a. in the frame under the brood
 - b. above the brood
 - c. in the brood comb
 - d. in front of the brood comb
18. **How many bees are there in one kilogram?**
- a. 32,000 bees
 - b. 24,000 bees
 - c. 17,000 bees
 - d. 11,000 bees
19. **What is the name of the international association of beekeepers?**
- a. FIS
 - b. FIFA
 - c. IOC
 - d. Apimondia
20. **Which of the following is not a bee product?**
- a. honey
 - b. beeswax
 - c. nectar
 - d. bee venom
21. **What order of insects do bees belong to?**
- a. Hymenoptera
 - b. Apidoptera
 - c. Apidae
 - d. Lepidoptera
22. **The melting point of beeswax is:**
- a. 46 °C
 - b. 64 °C
 - c. 76 °C
 - d. 84 °C

23. Hives found in trees are:

- a. a ball, a sphere
- b. a swarm
- c. a group

24. Which bee in the hive does not die after stinging?

- a. the queen
- b. the drone
- c. the worker bee

25. What is parthenogenesis?

- a. reproduction from fertilised eggs
- b. reproduction from non-fertilised eggs
- c. reproduction from both non-fertilised and fertilised eggs

26. When do bees produce the most wax?

- a. from the 5th to 11th day of a bee's life
- b. from the 3rd to 9th day of a bee's life
- c. from the 10th to 16th day of a bee's life

27. What colour is the male Varroa destructor?

- a. brown
- b. black
- c. grey-white

28. What organ of the bee is affected by nosema?

- a. the exoskeleton
- b. the digestive tract
- c. the nervous system

29. At what external temperature does the winter cluster of bees dissolve and bees fly out to collect pollen and nectar?

- a. 6 °C
- b. 12 °C
- c. 19 °C

30. Bees collect pollen. What part of the flower carries pollen?

- a. the stigma
- b. the calyx
- c. the pistils
- d. the anthers