



4. Propolis is a  
 (a) Type of honey (b) Bee bread  
 (c) Nectar (d) Resinous mixture
5. \_\_\_\_\_ keeps the queen in the brood chamber.  
 (a) Super chamber (b) Comb frame  
 (c) Queen excluder (d) None
6. The largest cell in the honey comb is  
 (a) Storage cell (b) Queen cell  
 (c) Worker cell (d) Drone cell
7. The main compartment of Newton's bee hive is  
 (a) Brood chamber (b) Floor board  
 (c) Super chamber (d) All of these
8. Primitive hives are classified into types  
 (a) Six (b) Four  
 (c) Eight (d) Five
9. The vitamins present in honey is  
 (a) A (b) B  
 (c) C (d) All of these
10. The instrument which is used for the extraction of honey from the bee live  
 (a) Bee mask (b) Bee wipe  
 (c) Honey extractor (d) Bee hand cover

PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b).  
 Each answer should not exceed 250 words.

11. (a) What are the characters of rock bee?  
 Or  
 (b) Explain the salient features of little bee.
12. (a) Give a short note on seasonal management of honey bees.  
 Or  
 (b) Describe the relationship between bees and plants.
13. (a) What are the care given to newly captured colonies?  
 Or  
 (b) Describe the structure of honey comb.
14. (a) What are the advantages and disadvantages of primitive hive?  
 Or  
 (b) Ant is an enemy to bees - substantiate.
15. (a) Give the descriptive account of Queen excluder.  
 Or  
 (b) Write short notes on the chemical composition of honey.

PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).  
Each answer should not exceed 600 words.

16. (a) Describe the life cycle of *Apis indica* with diagram.

Or

- (b) Describe the identifying characters of queen and worker bees.

17. (a) Give an account on the food of bee.

Or

- (b) Explain the criteria to be considered in locating the site for an apiary.

18. (a) What are moths? How do they affect the bees and how they are controlled?

Or

- (b) What are the enemies of bees and how are they controlled?

19. (a) Explain the architecture of Newton's hive.

Or

- (b) List out the appliances used in apiaries and add a note on their uses.

20. (a) Explain the process of honey extraction.

Or

- (b) Write notes on preservation and storage of honey.