



BIOLOGY

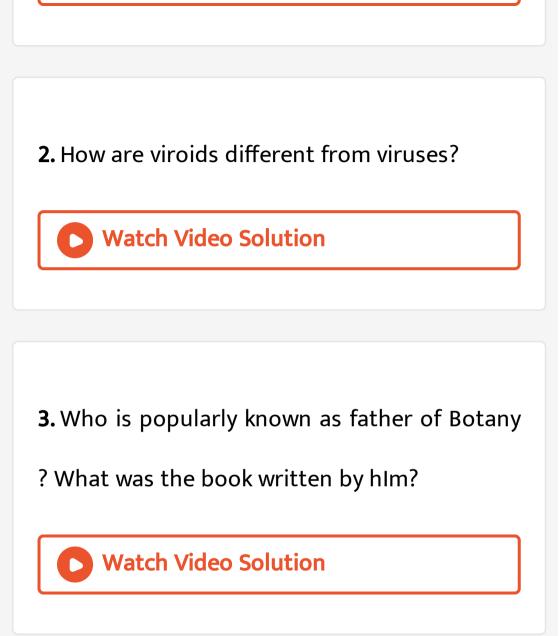
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MODEL PAPER 8



1. Define the terms couplet and lead in

taxonomic key.



4. What type of Inflorescence is found in fig trees? Why does the insect Balstophaga visits the Inflorescence of fig tree?



5. Differentiate actinomorphic from

zygomorphic flower.



6. What is geocarpy ? Name the plant which

exhibits this phenomenon.

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7. What is the significance of vacuole in a plant

cell?



8. Which tissue of animals and plants exhibits

meiosis?

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9. An anther has 1200 pollen grains. How many pollen mother cells must have been there to produce them ?

10. Climax stage is achieved quickly in secondary succession as compared to primary succession . Why ?



11. What is meant by tautonymy? Give two examples.

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12. Why is the true coelom considered a secondary body cavity?
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13. Mention any two substance secreted by mast cells with their functions.



14. What is the strongest cartilage? In which

regions of the human body, do you find it?

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15. Which arthropod, you have studied, is

called a living fossill?

Name its respiratory organ.



16. Name two poisonous and nonpoisonous

snakes found in south India.

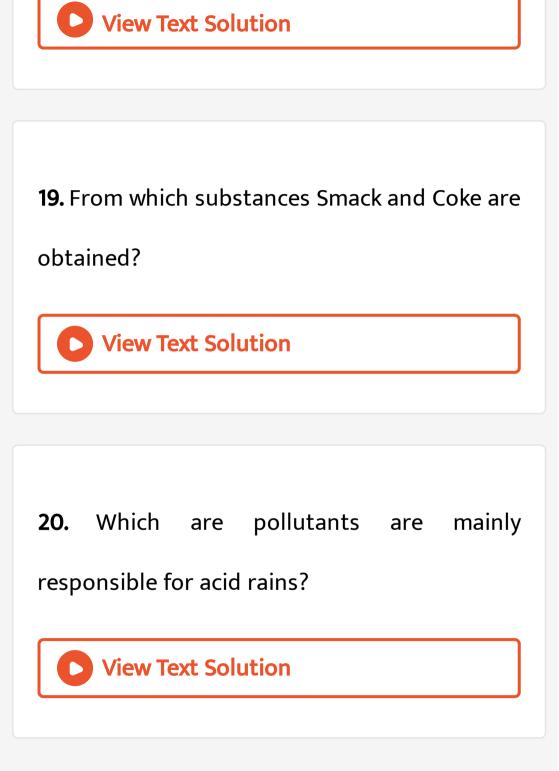
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17. Distinguish between lobopodium and

filopodium. Give an example of each.



18. What is kinety?



1. What are the characteristic features of

Euglenoids?

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2. Differentiate between red algae and brown

algae.

3. List the changes observed in angiosperm flower subsequent to pollination and fertilisation.

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4. Give economic importance of plants

belonging to Fabaceae.

5. What are nucleosomes ? What are they made of ?
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6. Though redundantly described as a resting phase, interphase does not really involve rest. Comment.

7. State the location and function of different

types of meristem.

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8. What are hydrophytes ? Briefly discuss the

different kinds of hydrophytes with example.

9. Discuss the causes and effects of global warming. What measures need to be taken to control it?





1. Explain different types of Racemos

inflorescences.



2. With a neat, labelled diagram, describe the parts of a mature angiosperm embryo sac. Mention the role of synergids.

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3. Describe the internal structures of a Monocot Root .