



## **BIOLOGY**

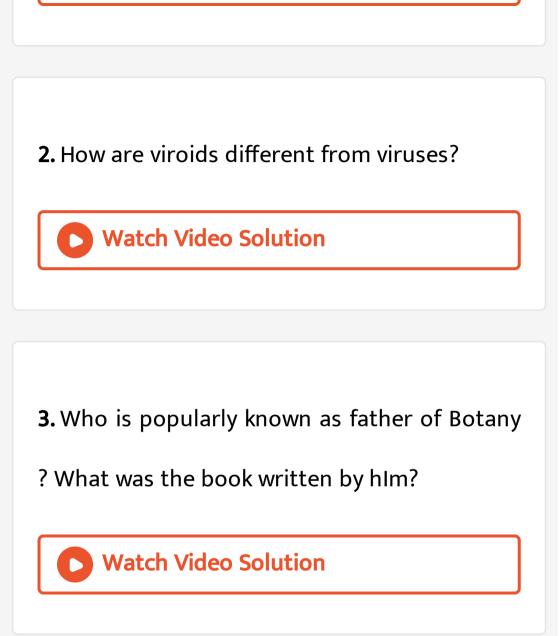
# **BOOKS - VGS PUBLICATION-BRILLIANT**

# **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.

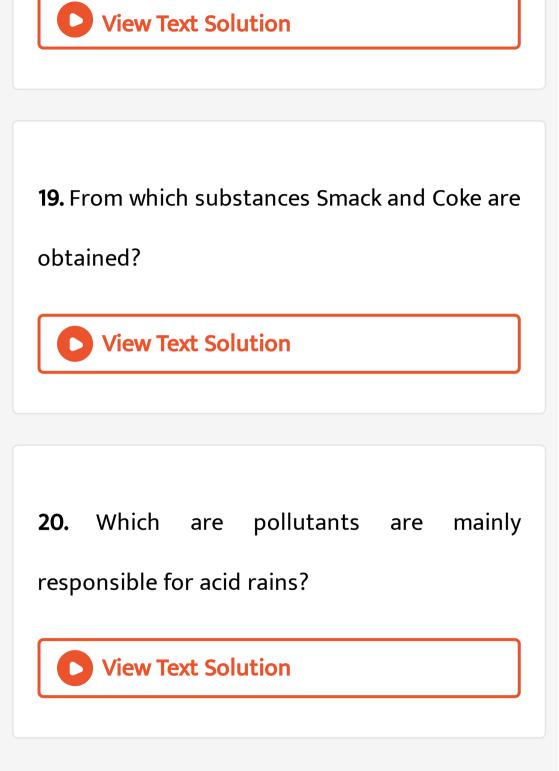
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17. Distinguish between lobopodium and

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 .