



BIOLOGY

BOOKS - VGS PUBLICATION-BRILLIANT

MODEL PAPER 9

Section A

1. what is flora ?.



Watch Video Solution

2. What do the terms phycobiont and mycobiont signify?



[Watch Video Solution](#)

3. What is Palaeobotany ? What is its use ?



[Watch Video Solution](#)

4. What is the morphology of cup like structure in Cyathium? In which family it is

found?



Watch Video Solution

5. What is the type of fruit found in mango?

How does it differ from that of coconut?



Watch Video Solution

6. What is Omega Taxonomy ?



Watch Video Solution

7. What is middle lamella made of ? What is its functional significance ?



[Watch Video Solution](#)

8. Give two examples for each amino acids and nucleotides.



[Watch Video Solution](#)

9. An anther has 3600 pollen grains. How many pollen mother cells must have been there to produce them?



Watch Video Solution

10. Define communities ? Who classified plant communities into hydrophytes, mesophytes and xerophytes ?



Watch Video Solution

Section B

1. Explain binomial nomenclature.



Watch Video Solution

2. Differentiate between red algae and brown algae.



Watch Video Solution

3. Write a brief account on gametogenesis with examples.



[Watch Video Solution](#)

4. Describe the essential organs of Solanaceae.



[Watch Video Solution](#)

5. Describe the structure and function of Mitochondria



[Watch Video Solution](#)

6. Though redundantly described as a resting phase, interphase does not really involve rest.

Comment.



[Watch Video Solution](#)

7. State the location and function of different types of meristem.



[Watch Video Solution](#)

8. Give in detail the anatomical adaptations shown by xerophytes.



[Watch Video Solution](#)

Section C

1. Define root modification. Describe root modifications with example. Draw labelled diagrams.



[Watch Video Solution](#)

2. Describe the process of fertilization in angiosperms.



[Watch Video Solution](#)

3. Describe the T.S of a dicot stem .



[Watch Video Solution](#)

1. Differentiate between Protostomia and Deuterostomia.



[View Text Solution](#)

2. Distinguish between holocrine and apocrine gland.



[View Text Solution](#)

3. What is haematocrit value ?



[View Text Solution](#)

4. What is cephalization ? How is it useful to its possessors ?



[View Text Solution](#)

5. What is Aristotle's Lantern ? Give one example of an animal possessing it



[View Text Solution](#)

6. What are clasps ? Which group of fishes possesses them?



[View Text Solution](#)

7. Distinguish between porter and opisthe



[View Text Solution](#)

8. Distinguish between synchronous and metachronous movements.





[View Text Solution](#)

9. Define neoplasia. Give one example



[View Text Solution](#)

10. Define entropy.



[View Text Solution](#)

Section B

1. What are the features peculiar to Ratitae birds ? Give two examples of Ratitae birds.



[View Text Solution](#)

2. What is the need for parasites to develop special adaptations ? Mention some special adaptations developed by the parasites.



[View Text Solution](#)