

BIOLOGY

BOOKS - SARAS PUBLICATION

VEGETATIVE MORPHOLOGY

Exercise

1. Roots are

positively phototropic B. Descending, positively geotropic, negatively phototropic C. Ascending, positively geotropic, negatively phototropic D. Ascending, negatively geotropic, positively phototropic **Answer:**

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A. Descending, negatively geotropic,

2. Curcuma amada, Curcuma domestica,

Asparagus, Maranta are example of _____

A. Tuberous root

B. Beaded root

C. Moniliform root

D. Nodulose root

Answer:



3. Bryophyllum and Dioscorea are example for

- A. Foliar bud, apical bud
- B. Foliar bud, cauline bud
- C. Cauline bud, apical bud
- D. Cauline bud, foliar bud

Answer:



| 4. | All | the | leaves | of | а | plant | together | are |
|----------------|-----|-----|--------|----|---|-------|----------|-----|
| referred to as | | | | | | | | |

- A. Phyllode
- B. Phyllome
- C. Phylloclade
- D. Phyllotaxy

Answer:



5. Ptyxis is

A. Arrangement of leaves on the stem

B. Arrangement of leaves in the bud

C. Folding of lamina in bud

D. Both B and C

Answer:



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6. Why lateral roots are endogenous?



7. Write the differences between Avicennia and Trapa



8. Compare sympodial branching with monopodial branching.



9. What is a leaf primordium? **Watch Video Solution** 10. What is orthostichis? **Watch Video Solution**

11. What is the significance of phyllotaxy?



12. How root climbers differ from stem climbers?



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13. Write the differences between Banyan and silk cotton



14. How are aquatic plants classified based on the envrionmental adaptation?



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15. Describe corm with examples.



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16. Explain briefly reticulate venation.



17. Comment on the buds in Dioscorea and Agave.



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18. Compare pinnate unicostate venation and palmate multicostate venation.



19. What is the significance of phyllotaxy?



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20. Describe decumbent trailer with examples.



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21. Draw a flowchart showing the classification of leaves based on the number of segments.



Example

1. What does morphology mean?



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2. Differentiate between vegetative morphology & reproductive morphology.



3. Define reproductive morphology.



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4. What are geophytes?



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5. What are Shrubs? Give examples.



6. What are climbers? Give examples.



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7. What are terrestrial plants? Give example.



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8. What are aquatic plants? Give examples.



9. What are annuals? Give examples.



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10. What are emergent plants? Give examples.



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11. What are floating leaved aquatic plants? Give examples.



12. When the storage roots occur in clusters from the base of the stem, they are called ____



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13. What are the tuberous roots? Give examples.



14. What are fasciculated roots? Give examples.



15. What are annulated roots? Give examples.



16. Define apical meristem



17. What is a leaf primordium?



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18. What are terminal buds?



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19. What is a lateral bud?



20. What are extra axillary buds?



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21. What is an accessory bud?



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22. What are adventitious buds? Give an example.



23. What are radical buds? Give examples.

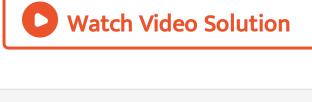


24. Define foliar buds



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25. Define cauline buds



26. What is decurrent stem?



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27. What do you mean by caudex?



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28. Define culm.



29. What are thorn climbers? Give examples.



30. What are thorns?



31. What is a pseudobulb?



32. What do you mean by indeterminate growth?

