



BIOLOGY

BOOKS - SARAS PUBLICATION

VEGETATIVE MORPHOLOGY

Exercise

1. Roots are

A. Descending, negatively geotropic,
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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2. Curcuma amada, Curcuma domestica, Asparagus, Maranta are example of _____

- A. Tuberos root
- B. Beaded root
- C. Moniliform root
- D. Nodulose root

Answer:



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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:



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4. All the leaves of a plant together are referred to as

A. Phyllode

B. Phyllome

C. Phylloclade

D. Phyllotaxy

Answer:



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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?



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7. Write the differences between Avicennia and Trapa



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8. Compare sympodial branching with monopodial branching.



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9. What is a leaf primordium?



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10. What is orthostichis?



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11. What is the significance of phyllotaxy?



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12. How root climbers differ from stem climbers?



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13. Write the differences between Banyan and silk cotton



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



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15. Describe corm with examples.



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16. Explain briefly reticulate venation.



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17. Comment on the buds in Dioscorea and Agave.



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18. Compare pinnate unicostate venation and palmate multicostate venation.



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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.



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Example

1. What does morphology mean?



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2. Differentiate between vegetative morphology & reproductive morphology.



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3. Define reproductive morphology.



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4. What are geophytes?



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5. What are Shrubs? Give examples.



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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.



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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.



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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.



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14. What are fasciculated roots? Give examples.



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15. What are annulated roots? Give examples.



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16. Define apical meristem



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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?



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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.



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23. What are radical buds? Give examples.



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24. Define foliar buds



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25. Define cauline buds



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26. What is decurrent stem?



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27. What do you mean by caudex ?



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28. Define culm.



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29. What are thorn climbers? Give examples.



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30. What are thorns?



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31. What is a pseudobulb ?



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32. What do you mean by indeterminate growth?



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