



BIOLOGY

BOOKS - PSEB

MORPHOLOGY OF FLOWERING PLANTS

Exercise

1. What is meant by modification of root?

What type of modification of root is found in

the :

- A. Banyan tree
- B. Turnip
- C. Mangrove trees
- D.

Answer:



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2. Justify the following statements on the basis of external features: Underground parts of a plant are not always roots.



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3. Justify the following statements on the basis of external features: Flower is a modified shoot.



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4. How is a pinnately compound leaf different from a palmately compound leaf?



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5. Explain with suitable examples the different types of phyllotaxy.



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6. Define the following terms: aestivation





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7. Define the following terms: placentation



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8. Define the following terms: actinomophic



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9. Define the following terms: zygomorphic





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10. Define the following terms: superior ovary



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11. Define the following terms: perigynous
flower



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12. Define the following terms: epipetalous stamen



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13. Differentiate between : Racemose and cymose inflorescence



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14. Differentiate between : Fibrous root and adventitious root



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15. Differentiate between : Apocarpous and syncarpous ovary



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16. Draw the labelled diagram of the following:
gram seed



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17. Draw a well labelled diagram showing
structure of L.S. of Maize grain.



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18. Describe modifications of stem with suitable examples.



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19. Describe the various types of placentations found in flowering plants.



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20. What is a flower? Describe the parts of a typical angiosperm flower.



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21. How do the various leaf modifications help plants?



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22. Define the term inflorescence. Explain the basis for the different types



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23. inflorescence in flowering plants.



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24. Write the floral formula of a actinomorphic, bisexual, hypogynous flower with five united

sepals, five free petals, five free stamens and two united carpels with superior ovary and axile placentation.



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25. Describe the arrangement of floral members in relation to their insertion on thalamus.



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