



BIOLOGY

BOOKS - MBD

Model test paper 3

Exercise

1. What constitutes the cambial ring?



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2. What is the epidermal cell modification in plants which prevents water loss?



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3. Name the most crucial enzyme found in root nodules for nitrogen fixation.



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4. Why root pressure is not an important factor for upward movement of water in the tall trees.



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5. What is the function of phloem parenchyma?



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6. If one debarks a tree, what parts of the plant is being removed?



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7. Name the universal solvent.



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8. What is the importance of pneumatic bones and air sacs in aves?



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9. How do male and female cockroach differ from each other?



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10. Name the phylum having jointed appendages. Give example.



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11. What is the feature of a metacentric chromosome?



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12. Name the cell junctions found in the cell.



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13. Differentiate monocot seed and dicot seed.



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14. What is herbarium ? How is it used in taxonomy?



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15. Explain Binomial nomenclature.



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16. Define transpiration pull and exosmosis.





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17. Full up the blank space appropriately"

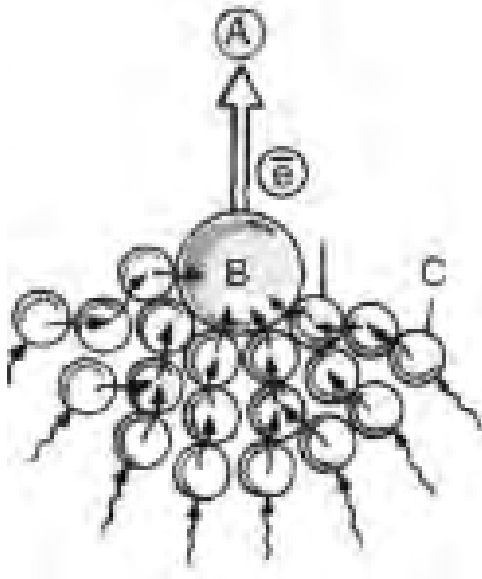
Phylum/Class	Excretory organ	Circulatory organ	Respiratory Organ
Arthropoda	A	B	Lungs/Gills/ Tracheal system
C	Nephridia	Closed	skin/ Parapodia
D	Metanephridia	Open	E
Amphibia	F	Closed	Lung



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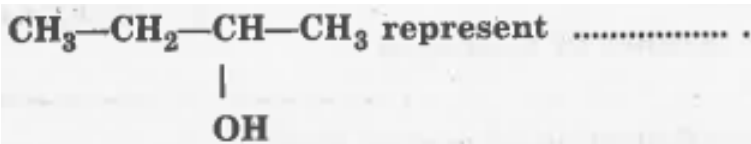
18. Examine the figure and

Label the parts A, B, C.



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19. Fill in the blanks:





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20. Where does substrate level phosphorylation take place.



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21. The food mixes thoroughly with the acidic gastric juice of the stomach by the churning movements of its muscular wall. Write its fate. What do we call the food then?



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22. In which part of alimentary canal does absorption of water, simple sugars and alcohol take place?



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23. What is heterospory? Write its significance.



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24. Name the phases of cell cycle. Discuss the vents occurring during prophase of mitosis.



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25. How are organisms like pseudomonas and Thiobacillus of significance in nitrogen cycle?



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26. A gardener find some broad leaved dicot weed growing in the lawn. What can be done to get rid of these weeds efficiently.



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27. Make a flow chart of glycolysis.



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28. Briefly describe

Pulse rate



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29. Briefly describe

Leucocytes



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30. What are nucleotides? Write their constituents. List their functions.



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31. Name a metabolic poison.



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32. Differentiate anatomically monocot stem and dicot stem.



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33. Compare the three types of muscles fibres.



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34. What is saltan conduction of nerve impulse.



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35. Explain different types of blood groups and donor compatibility by making a table.



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36. Explain structure of E.R., write its types and function.



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37. What is secondary structure of proteins?

Describe types of proteins on the basis of composition.



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