



BIOLOGY

BOOKS - MBD

Model test paper 1

Exercise

1. What are end-products of glycolysis?



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2. Will the ascent of sap be possible without the cohesion and adhesion of water molecules comments.



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3. Name the acid which gets accumulated in muscles by vigorous exercise.



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4. What is seed dormancy?



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5. Name the plant in which mutations were observed by Hugo deVries.



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6. Name an insectivorous angiosperm.



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7. How are viroids different from viruses?



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8. What is the special feature of gymnosperms?



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9. What is stomatal apparatus? Explain the structure of stomata with a labelled diagram.



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10. Draw the three types of granulocytes. Write one function of each.



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11. What are macromolecules? Give examples.



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12. Differentiate coenzyme and cofactor.



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13. By which method cytokinesis occurs in animal cell?



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14. What are the modifications that are observed in birds that help them fly?



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15. Diatoms are called pearls of ocean? Why?

What is diatomaceous earth?



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16. Differentiate 80S and 70S Ribosomes.



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17. Differentiate between the following:

Osmotic Pressure and Osmotic Potential



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18. What are toxic elements? Give examples.



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19. Write a note on respiratory quotient.



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20. Differentiate diabetes insipidus and diabetes mellitus.



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21. Discuss how classification systems have undergone several changes over a period of

time?



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



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23. Explain the classification of enzymes.



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24. Comment on the cartwheel structure of centriole .



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25. What is referred to as satellite chromosome?



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26. Give the contribution of Rudolf Virchow in the field of biology.



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27. Write the contribution of Schleiden and Schwann



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28. Write the contribution of

Watson and Crick



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29. Explain urea cycle.



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30. Explain ECG.



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31. Neural system and computer system share some features. Explain.



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32. How will you define fruit?



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33. List any two false fruits.



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34. What is parthenocarp? Name a parthenocarpic fruit.



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35. Draw labelled diagram of ultrastructure of typical animal cell. Label any six parts and function of each.



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36. Sketch a double helix of DNA.



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37. With a graphic representation only explain the relationship of metabolic pathways of fats, Proteins and Sugar.



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38. Discuss role and deficiency symptoms in plants of following:

Sodium



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39. Discuss role and deficiency symptoms in plants of following:

Boron and Manganese



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40. Draw median longitudinal section of human brain.



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41. Discuss the digestion of proteins.



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