



BIOLOGY

BOOKS - UNITED BOOK HOUSE

MODEL PAPER 4

Exercise

1. Angiosperms are called

A. SpermatoBIOtes

B. AnthoBIOTes

C. CormoBIOTes

D. XeroBIOTes.

Answer:



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2. Which structure is found in angiosperms but not in gymnosperms?

A. Stigma

B. Pollen tube

C. Ovule integument

D. Carpel

Answer:



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3. Number of spiracles in cockroach

A. 10 pairs

B. 8 pairs

C. 6 pairs

D. 12 pairs

Answer:



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4. Velamen occurs in

A. EpiBIOTes

B. MesoBIOTes

C. HydroBIOTes

D. XeroBIOtes.

Answer:



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5. Select the correct code Primary root is

A. Positively geotropic

B. Positively hydrotropic

C. Negatively geotropic

D. Negatively hydrotropic

Answer:



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6. The role of chlorophyll in photosynthesis is

A. absorption of water

B. absorption of CO_2

C. absorption of light and photolysis of
water

D. absorption of light.

Answer:



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7. More than nine tenth of all the photosynthesis is carried out by

A. fern

B. mosses

C. alage of ocean

D. large trees.

Answer:



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8. Which one of the following elements in plants is not remobilised?

A. P

B. C

C. K

D. S

Answer:



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9. The first stable product of fixation of atmospheric nitrogen in leguminous plant is

A. ammonia

B. NO_3^-

C. NO_2^-

D. glutamate

Answer:



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10. Some inorganic ions are required for enzyme activity. These inorganic substances are

- A. enzyme
- B. co-factor
- C. prosthetic group
- D. activator

Answer:



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11. Part of the enzyme where substrate is changed into product is called

A. Allosteric site

B. Active site

C. Co-factor

D. Prosthetic group.

Answer:



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12. Air or food is prevented from going into the trachea during swallowing by the

A. epiglottis

B. tongue

C. larynx

D. pharynx.

Answer:



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13. Which of the following animal has compound stomach (rumen)?

A. Rat

B. cow

C. dog

D. horse.

Answer:



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14. Which of the following factors regulate food intake?

- A. psychological factors
- B. blood glucose levels
- C. body temperature
- D. all of the above.

Answer:



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15. Fill in the blanks:-

The mode of arrangement of leaves on the stem is _____



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16. Name one assimilatory root.



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17. How much ATP are produced in glycolysis and TCA cycle?



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18. What is Angina pectoris?



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19. Name two types of striated muscle fibres.



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20. Name the area of retina which contains only cones and no rods.



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21. Write two features of cyanobacterium.



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22. What do you mean by lithotrophs?



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23. Give Examples of leaf spine and leaf tendrils.



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24. What do you mean by co-enzyme?



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25. What is terminalization?



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26. What do you mean by terminal respiration?



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27. What is mountain sickness?



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28. What do you mean by hypertension and hypotension.



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29. Mention different cellular components of blood.



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30. State three differences between cardiac & striated muscle.



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31. Explain briefly : Flower is a modified shoot.



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32. What do you mean by α , β , and γ diversity?



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33. Define Hot spot. Give two examples in India.



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34. How does secretion take place by means of golgi body?



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35. State the function of mRNA and rRNA.



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36. Write do you mean by photo phosphorylation - explain with reaction?



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37. What is photorespiration and explain it with chemical reactions.



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38. How is annual ring formed in dicot plant.



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39. How carbohydrate is digested in human alimentary canal.



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40. Mention the composition of infestinal juice present in alimentary canal.



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41. How cardiac output is determined by Fick's principle using O_2 consumption method?



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42. Name the valves in the human heart and state their locations.



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43. What is SA Node?



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44. Where is hypothalamus located? State the functions of hypothalamus.



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45. What is spinal cord?



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46. Describe the structure of spinal cord



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