



BIOLOGY

BOOKS - UNITED BOOK HOUSE

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Exercise

1. Globulin protein is eliminated through urine during what condition?

1. Leukemia

2. Nephritis

3. Orthostatic proteinuria

4. Hard labour

A. Leukemia

B. Nephritis

C. Arthostatic proteinuria

D. Hard labour.

Answer:



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2. Which hormone does induce oxidation of fat during starvation?

- A. Insulin
- B. Thyroxine
- C. Cortisol
- D. Aldosterone.

Answer:



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3. Which one of the following is lyase?

A. Hexokinase

B. Lactic dehydrogenase

C. Aldolase

D. Thiokinase

Answer:



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4. Which amino acid is absent in pulses?

1. Lysine

2. Methionine

3. Tryptophan

4. Leucine

A. Lysine

B. Methionine

C. Tryptophan

D. Leucine.

Answer:



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5. Who first coined the term 'Taxonomy'?

1. Simpson

2. Candolle

3. Mayr

4. Linnaeus.

A. Simpson

B. Candole

C. Mayr

D. Linnaeus.

Answer:



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6. Which factor of plasma helps to activate thromboplastin coagulation of blood?

A. factor-VIII

B. factor-V

C. factor-X

D. factor-IX

Answer:



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7.2 to 7 lobed leucocyte is:

1. basophil

2. lymphocyte

3. eosinophil

4. neutrophil

A. basophil

B. lymphocyte

C. eosinophil

D. neutrophil

Answer:



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8. Which one is limb-less amphibia?

1. Hyla

2. Ichthyophis

3. Necturus

4. Amphiuma

A. Hyla

B. Ichthyophis

C. Necturus

D. Amphiuma.

Answer:



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9. Prion is composed of

A. Protein

B. DNA

C. RNA

D. DNA and RNA

Answer:



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10. When does terminalization of chiasma occur?

1. Zygotene

2. Pachytene

3. Diplotene

4. Metaphase-I.

A. Zygotene

B. Pachytene

C. diplotene

D. metaphse-I.

Answer:



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11. The secretion of which gland of male cockroach does help to form the internal membrane of spermatophore?



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12. What is atherosclerosis?



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13. What are the origin and distribution of QRS-wave of Electrocardiogram?



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14. What is the optimum pH value of trypsin?



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15. What is the name of the primary constituent of prokaryotic cell wall?



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16. Express the relation between the rate of diffusion of a gaseous substance with its density by Graham's Law.



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17. What is symplastic loading?



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18. Write the scientific name of a non-flowering amphibian plant.



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19. Define 'Genus' and 'Family'.



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20. A person consumes 300 ml O_2 by lungs. The O_2 carrying capacity of his artery and vein are 20 ml and 15 ml respectively. Determine the cardiac output (minute volume) of that person.



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21. Write two differences between Heart block and Heart attack.





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22. State two functions of Peroxisome.



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23. State the mechanism of secretion of three types of glands according to their nature of secretion and give EXERCISE of each.



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24. All Vertebrates are Chordates, but all Chordates are not Vertebrates' - Explain the statement.



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25. Write two differences between Annelida and Arthropoda and also write a scientific name of animal of each.



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26. What is the role of K^+ ions during opening of stomata.



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27. Describe the mechanism of action of proteinaceous hormone.



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28. What are saturated and unsaturated fatty acids. Give one example of each.



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29. Mention one principle character of each of the first three stages of prophase-I.



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30. What do you mean by K_m of an enzyme?

What is positive allosterism? Explain with an

EXERCISE.



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31. Describe the mechanism of ultrafiltration in malpighian corpuscle.



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32. What are facultative reabsorption and obligatory reabsorption?



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33. Explain the role of insulin in fat metabolism. Discuss the role of Hypothalamus as a Supreme commandar.



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34. Write the functions of m-RNA, t-RNA and r-RNA.



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35. Describe with diagram, the female reproductive system of cockroach.



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