



BIOLOGY

BOOKS - UNITED BOOK HOUSE

TPI QUESTION PAPER

Exercise

1. Who coined the term 'Biodiversity'?

A. Rosen

B. Linneaus

C. Simpson

D. Roxburg

Answer:



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2. Tubefeet is seen in

A. Hemichordata

B. Cephalochordata

C. Cyclostomata

D. Eclinodermata

Answer:



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3. Which of the following components is dead?

A. Xylem parenchyma

B. Companion cell

C. Vessel

D. Phloem parenchyma

Answer:



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4. The suicidal bag of cell is called

A. Spherosome

B. Diplosome

C. Lysosome

D. Glyoxysome

Answer:



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5. The intermediate timespan in between meiosis-I & meiosis-II is called

A. Interphase

B. Lagphase

C. Karyosis

D. Interkinasis.

Answer:



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6. Which one acts as respiratory centre?

- A. pons varolii
- B. spinal cord
- C. parietal iobe
- D. none of these.

Answer:



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7. Which one is applicable in case of 'O' blood group?

- A. Agglutinin absent
- B. Agglutinogen present
- C. Agglutinin-D present
- D. Agglutinogen A.B absent.

Answer:



8. By the influence of which hormone reabsorption of water occurs in the renal tubule?

A. ACTH

B. MSH

C. ADH

D. NADH

Answer:



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9. In which type of RNA is clover leaf model applicable?



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10. Write the name of a chromoprotein.



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11. Write the name of a modified tissue fluid.



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12. Write the name of tenth (10th) cranial nerve.



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13. What is the main excretory product in bird?



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14. Write the name of a protein that helps in the blood coagulation process.



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15. What are called the algal and fungal parts of Lichess?



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16. What is peritrichous bacteria? Cite an
EXAMPLE



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17. Mention the components of taxonomy.



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18. From where the secondary meristem arises



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19. What is cladode?



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20. Write the location and function of conglobate gland.



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21. Briefly discuss about the different digestive glands of cockroach. Write the position and function of collateral gland in cockroach.



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22. What is law of priority? Write the full name of ICZN.



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23. Mention the phylum (in case of invertebrate) and phylum and class (in case of vertebrate) of the following animals.: Sea mouse, Ascaris, Tortoise.



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24. Draw with labelling the different parts of a hypogynous flower.



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25. Distinguish between bone and cartilage.



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26. Briefly discuss about the different digestive glands of cockroach. Write the position and function of collateral gland in cockroach.



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27. Describe pachytene subphase with diagram.



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28. What is ribozyme give example.



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29. What do you mean by prosthetic group and co-enzyme?



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30. Briefly explain

K_m



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31. Briefly explain

Chloride shift



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32. Briefly explain

Juxta glomerular apparatus



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33. What are the events of cardiac cycle.

Describe the ventricular events.



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34. describe the structure of chloroplastid.





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35. What is double circulation? What are the different information shown by P-wave, QRS-wave and T-wave in ECG?



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36. Write the names & functions of the photoreceptor cells in the retina. Write the location, amount and function of CSF.



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