



BIOLOGY

BOOKS - SUPER COMPANION 5 IN 1

STRUCTURAL ORGANISATION IN ANIMALS

One Mark Questions

1. Which epithelium lines the Bowman's capsule ?



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2. What type of epithelium lines your skin ?



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3. Which epithelium is also known as pavement epithelium ?



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4. Name the epithelium present on the surface of oral cavity ?



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5. What is endothelium ?



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6. What is mesothelium ?



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7. What are goblet cells ?



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8. What is an unicellular gland ?



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9. What is chondrocytes ?



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10. What is chondrin ?



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11. Where do you find haversian system ?



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12. Where is sarcolemma ?



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13. What is sarcoplasm ?



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14. What are myofibrils ?



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15. Name the long unbranched, cylindrical ,
multinucleate muscle fiber ?



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16. Where are intercalated discs present ?



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17. Name the principal contractile proteins of the muscle tissue ?



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18. Name the muscle which is striated and involuntary ?



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19. name the structural and functional unit of the nervous system.



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20. What is a cyton ?



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21. Where are Nissil bodies present ?



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22. What is the advantage of myelin sheath?



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23. What are glial cells ?



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24. Give the binomial nomenclature of cockroach.



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25. What are wing covers ?



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26. What is a spiracle ?



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27. What are trachea ?



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28. what are alary muscles ?



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29. What is a phallic gland ?



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30. What are colleterial glands ?



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31. What type of blood is carried by the pulmonary artery ?



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32. Name the artery that supplies blood to the heart muscle.



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33. Where does the stimulus for heart beat, originate in humans ?



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34. What is myocardial infarction ?



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35. Name the veins which bring oxygenated blood to heart.



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36. What is a pacemaker ? Give an example.



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37. Name the components of the conducting system in human heart.



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38. Why is the left ventricular valve thicker than the right ventricle valve ?



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39. Name the modern instrument used to record blood pressure.



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40. Why is the human heart called a double pump ?



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41. When do you designate a person as hypertensive ?



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42. Name the blood component which is viscous and straw coloured fluid.



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43. Name the vascular connection that exists between the digestive tract and liver.



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Two Mark Questions

1. Why is human blood circulation considered complete ?



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2. What is meant by complete double circulation ?



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3. Explain pulmonary circulation.



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4. Explain systemic circulation.



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5. Mention any four functions of blood.



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6. What is the importance of plasma proteins ?



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7. What do we consider blood as a connective tissue ?





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8. What is the difference between lymph and blood ?



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9. What is meant by double circulation ? What is its significance ?



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10. Why do we call our heart myogenic ?



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11. Sino-atrial node is called the pacemaker of our heart. Why ?



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12. What is the significance of atrio-ventricular node and atrio-ventricular bundle in the functioning of heart ?



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13. Define a cardiac cycle and the cardiac output.



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14. Draw a standard ECG and explain the different segments in it .



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15. Given below are abnormal conditions related to blood circulatory system. Name the disorders :

(a) Acute chest pain due to failure of O_2 supply to heart muscles



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16. Which coronary artery disease is caused due to the narrowing of the lumen of arteries ?



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Three Marks Question

1. Name the components of the formed elements in the blood, and mention one major function of each of them.



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2. What is the difference between lymph and blood ?



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3. What is Open , and closed system of circulation



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4. What are Systole, and Diastole



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5. What is P-wave - and T- wave



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6. Explain heart sounds .



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Five Marks Question

1. Explain the histology of the blood.



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2. Describe the origin and conduction of heart beat.



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3. Explain Circulation in humans .



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4. Draw a neat labelled diagram of V.S. of human heart.



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5. Describe the anatomy of human heart.



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