



BIOLOGY

BOOKS - VIKRAM PUBLICATION (ANDHRA PUBLICATION)

BREATHING AND EXCHANGE OF GASES

Very Short Answer Questions

1. Vital capacity does not include



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2. Volume of air that will remain in the lungs after normal expiration is equal to



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3. Diffusion of oxygen occurs in the alveolar region only and not in other parts of respiratory system. How do you justify the statement ?



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4. What is the effect of carbon monoxide on human beings ?



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5. What happens during the process of breathing?



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6. The tidal Waves in the sea are primarily due to



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7. Right-shift of oxygen-haemoglobin dissociation curve can occur due to



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8. What are conchae ?



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9. Reverse chloride shift begins at the



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10. Mention any two occupational respiratory disorders and their causes in human beings?



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11. Mark the correct pair of muscles involved in the normal breathing in humans



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12. Draw a diagram of oxyhaemoglobin dissociation curve ?



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Short Answer Questions

1. Distinguish between Inspiration and Expiration



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2. What is critical temperature? Give its value for CO_2 .



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3. Name the part that plays major role in respiratory movements in woman .



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4. Distinguish between

a) IRV and ERV

b) Inspiratory capacity and Expiratory capacity

c) Vital capacity and Total lung capacity.



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5. Give two examples for respiratory diseases.



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Long Answer Questions

1. In which part of the respiratory system of man , you can observe the 'C' shaped cartilagenous rings ?



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2. Write an essay on the transport of oxygen and carbon dioxide by blood.



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Important Questions

1. Vital capacity does not include



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2. What is the effect of pCO_2 on oxygen transport ?



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3. What is tidal volume ? Find out the tidal volume in a healthy human, in an hour ?



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4. What are conchae ?



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5. Mark the correct pair of muscles involved in the normal breathing in humans



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6. Distinguish between Inspiration and Expiration



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