



BIOLOGY

BOOKS - SUPER COMPANION 5 IN 1

IPUC ANNUAL EXAMINATION-2015 (NORTH)

Part A

1. Name the basic unit of classification.



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2. Define the Phyllotaxy



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3. Mention the function of Nephridia.



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4. Name the bacterial Ribosome.



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5. Define osmosis.



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6. Which is the nondigesting enzyme of Intestinal juice?



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7. Name the structural and functional unit of Kidney.



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8. Expand ECG



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9. What is Transpiration?



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10. Mention any Inclusion bodies.



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Part B

1. Write any four character of fungi.



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2. Mention the uses of diatomaceous Earth.



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3. Differentiate Bilateral and Radial Symmetry.



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4. Write any four Biological significance of Carbohydrates.



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5. Draw a labelled diagram of Mitochondria.



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6. Mention the role of HCl in Stomach.



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7. Define Inspiration and Expiration.



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8. Briefly explain transport of CO_2 by blood.



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Part C

1. Write any tree economic importance of Cyanobacteria.



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2. Mention briefly respiration in Frog.



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3. Write any four functions of parenchyma tissue



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4. What is Cell Cycle? Mention the phases of Cell cycle.





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5. Explain briefly Mass flow Hypothesis.



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6. Name the formed elements of Blood.



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7. Explain the role of saliva in digestion.





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8. What is Double Circulation? Mention the stages in double circulation.



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Part D

1. Write the general characters of the Phylum Annelida.



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2. Describe the important characteristics of gymnosperms .



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3. Draw a neat labelled diagram of Digestive system of Cockroach.



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4. Explain Fluid Mosaic Model? Mention the functions of Plasma membrane.



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5. Write any five differences between Mitosis and Meiosis.



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6. Give the schematic representation of Kreb's cycle with its preparatory reaction ?



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7. Explain the physiological roles of Cytokinins.



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8. Write the Z scheme of Light reaction.



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9. Explain the mechanism of Ascent of Sap.



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10. Draw a neat labelled diagram of V.S. of Human Heart.



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11. List any Five hormones of Pituitary gland and write one function of each.



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