



BIOLOGY

BOOKS - CBSE COMPLEMENTARY MATERIAL BIOLOGY (HINGLISH)

PRACTICE PAPER 1

Section A

1. Write full form of DCT.



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2. Name the tissues which has intercalated disc. What is its function?



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3. Ribosomes in prokaryotes is of 70 S type. What does 's' stands for and what does it measure?



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4. Complete the given sequence of taxonomic categories: Species. ----- genus ----- (a) ----- (b) ----- phylum ----- kingdom.



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5. Name the type of placentation shown in the figure A and B.



(a)



(b)



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Section B

1. Define the Bilateral symmetry in animals with an example.



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2. Define the Acoelomate animals in animals with an example.





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3. Why are deuteromycetes commonly known as imperfect fungi? Mention two characteristics of mycelium of such fungi.



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4. Water droplets are observed near the tip of grass blades in early morning.

What is the loss of water in liquid phase called?



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5. Water droplets are observed near the tip of grass blades in early morning.

Why does this phenomenon occur?



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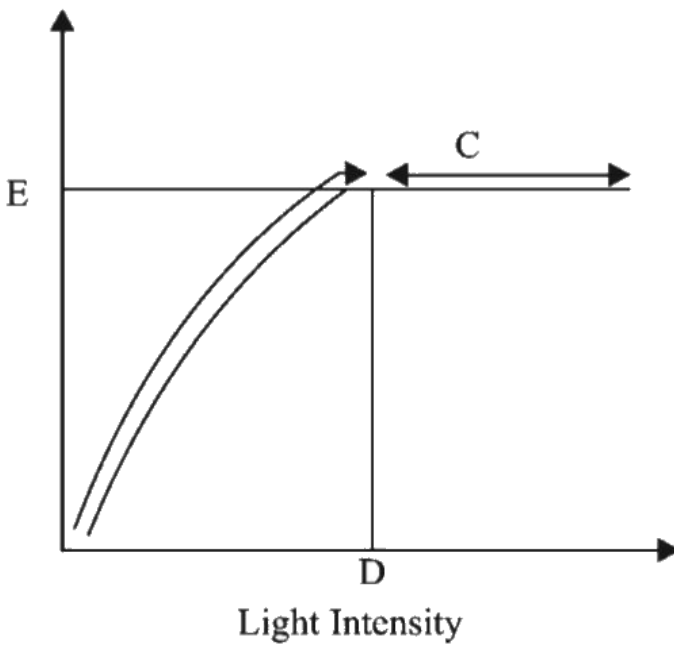
6. Which pigment is found in phaeophyceae and rhodophyceae other than chlorophyll?

Give an account of stored food in these classes.



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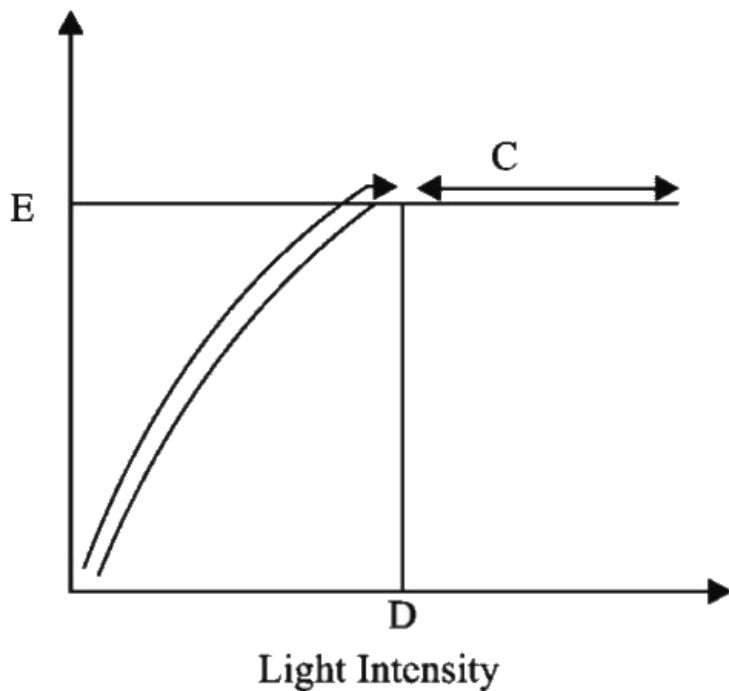
7. Figure given below shows the effect of light on the rate of photosynthesis. Based on graph



At which point/points (A,B or C) in the curve light is a limiting factor?

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8. Figure given below shows the effect of light on the rate of photosynthesis. Based on graph



What could be the limiting factor/factors in region A?

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Section C

1. Answer the questions in respect to areolar tissue :

Where is areolar tissue present?



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2. Answer the questions in respect to areolar tissue :

What is the function of this tissue?



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3. Answer the questions in respect to areolar tissue :

Name any two cells it contains.



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4. Write the main modification in the plant part of :

Opuntia



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5. Write the main modification in the plant part of :

Garden pea



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6. Write the main modification in the plant part of :

Bougainvillia



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7. Write any three differences between mitosis and meiosis.



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8. What is a synapse? How does the nerve impulse cross the chemical synapse?



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9. Explain the phases of interphase of a cell cycle.



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10. Distinguish between aerobic and anaerobic respiration



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11. Respiratory quotient (RQ) for carbohydrates is 1. Why?



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12. How dose butter in your food get digested and absorbed in the body?



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13. Name the bones of pectoral girdle.



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14. Give an example of fibrous joint.



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15. Classify plastids on the basis of type of pigments found in them. State the function of each type.



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16. List two factors which affect the rate of diffusion of a gas



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17. What is the term given to a maximum volume of air a person can breathe in after a forced expiration?



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18. What is one of the major cause of Emphysema?



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Section D

1. Vineet observes the gardener removing the shoot tips of plants for hedge making. He asks his brother the reason for this. His brother explains it to him.

What does Vineet brother tell him. Explain
(give two points)



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2. Vineet observes the gardener removing the shoot tips of plants for hedge making. He asks his brother the reason for this. His brother explains it to him.

List two values you observed in Vinnet's brother



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Section E

1. Explain the effect of substrate concentration on enzyme activity



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2. Describe the primary, secondary and tertiary structures of proteins



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