

BOTANY

INTERMEDIATE BIPC 2nd YEAR

LONG-ANSWER QUESTIONS [LAQ'S]



1Q. Give a brief account of the tools of recombinant DNA technology.



2Q. Explain the reaction of krebs cycle?



3Q. Explain calvin cycle?

4Q. Explain briefly the various process of recombinant DNA technology

5Q. Give an account of glycolysis Where does it occurs these products in both aerobic and anaerobic respiration.

SHORT ANSWER QUESTIONS [SAQ'S]



1Q. How does ascent of sap occur in tall trees?

2Q. Explain the steps involved in the formation of root nodule.

3Q. Write a note on agricultural application auxins and gibberellins

Q Explain the Conjugation in bacteria-?



5Q Explain about enzyme inhibitors-?

6Q Explain the mechanism about enzyme action-?

7Q Draw a neat labelled diagram of chloroplast-?

8Q Explain the structure of TMR-?

9Q Mention the advantages of selecting pea plant by Mendel

10Q Explain the co-dominance with example-?

11Q Explain the incomplete dominance with example-?

12Q How many types of RNA polymerases exist in cells-?
Write their names and functions-?

13Q Give a brief account of Bt cotton.

VERY SHORT ANSWER QUESTIONS [VSAQ's]



1Q What are pores-? What role do they play in diffusion-?

2Q Define hydroponics-?

3Q What is plasmids-? What is its significance-?

4Q What is the shape of T₄ Phage-? What is its



What is its genetic materials -?

5Q What is the function of the codon -AUG-?



6Q What is meant by blotting-?

7Q Given below is the sequence of a coding strand of DNA in transcription unit?

8Q What are pleomorphic bacteria-? Give an example.

9Q What is the difference between exons and introns -?

10Q What is meant by capping and tailing-?

11Q How can you differentiate between exonucleases and endonucleases-?

12Q What is down-stream processing-?

13Q What is GEAC and what are its objectives-?

14Q Which part of the plant is best suited for making virus-free plants and why-?

15Q Why does Swiss cheese have big holes. Name the bacteria responsible for it-?

16Q What are fermentors-?

17Q Name an immunosuppressive agent-? From where is it obtained-?



1. Write any 2 difference between DNA and RNA
- 199 In a typical DNA molecule - the proportion of thymine 30% of the N-base - find out the percentage of other N-bases.
- 200 What is meant by point mutation - Give Example

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