

Assumption College Thonburi

Re-examination Form

Subject..... Science 2..... Subject Code.....SCI 31102..... Grade.....10.....

Assignment(s) Given for Re-examination

☐ Report ☒ Quiz / Paper Assignment ☐ Project Work ☐ Others

Details of Assignment(s)

There are 10 questions to review, which are:

Section 1

1. The template strand of a gene contains the sequence 3'-TTCAGTCGT-5'. Draw the non-template sequence and the mRNA sequence, indicating 5' and 3' ends of each. Compare the two sequences.
2. What two processes ensure that the correct amino acid is added to a growing polypeptide chain?
3. What happens when one nucleotide pair is lost from the middle of the coding sequence of a gene?
4. Describe the process of gene expression, by which a gene affects the phenotype of an organism.

Section 2

5. Describe at least three specializations in plant organs and plant cells that are adaptations to life on land.
6. What are the stimuli that control the opening and closing of stomata?
7. Explain how the phrase "too much of a good thing can apply to watering and fertilizing plants.
8. Some lawn mowers collect clippings for easy disposal. What is a drawback of this practice with respect to plant nutrition?
9. Are some essential elements more important than others? Explain.
10. What are the plant regulators, please briefly summarize the differentiation and function of each hormone secreted in the plant.

Criteria Marked as 'Pass'

The answer needs to be clearly explained, which is the correct information.

Teacher's Contact Information

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August 2, 2021

Decision Made by Head of Subject Group

☒ Approved

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