



RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. (Special) Degree Applied Biology
Fourth Year - Semester I Examination – September/ October 2019

BIO 4104 - SCIENTIFIC WRITING

Time: One and a half (1 ½) hours

Answer ALL (04) questions

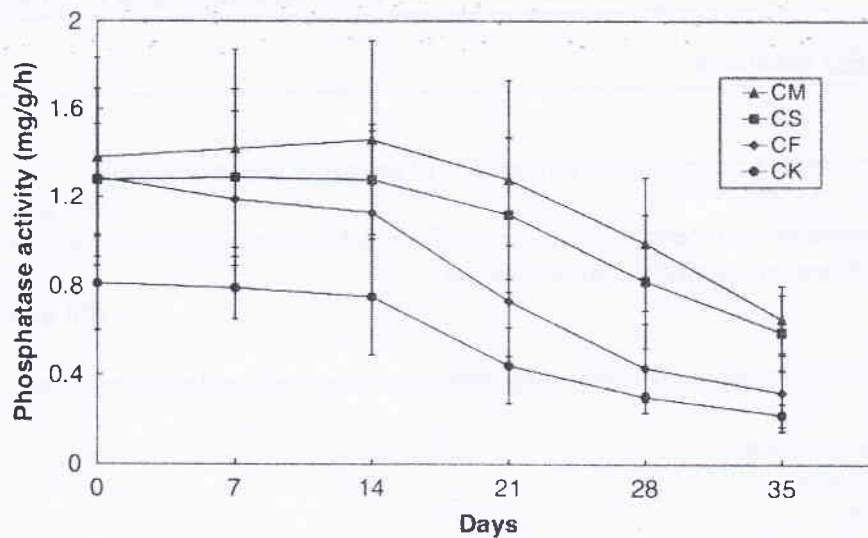
- 1)
 - a) Write a short account on the importance of scientific communication.
(50 marks)
 - b) Comment on why peer-reviewed scientific articles often receive primacy over other forms of scientific communication.
(50 marks)
- 2) Write brief accounts on the following with reference to journal article writing.
 - a) Salami slicing
 - b) Plagiarism
 - c) COPE
 - d) Duplicate publications(100 marks)
- 3) Explain how you would prepare for an oral presentation at a scientific conference paying special attention to the following:
 - a) Presentation aids
 - b) Gestures and rapport with audience
 - c) Handling questions
 - d) Presentation structure(100 marks)

4) The presentation of results is an important aspect of scientific communication.

- a) Discuss briefly, the different ways that results could be presented in a scientific publication and the considerations that have to be made when deciding between these options.

(50 marks)

- b) The graph below is from a study that examined root surface phosphatase activity under different fertilizer regimes, control (CK), exclusively chemical fertilizer (CF), combined application of chemical fertilizer and wheat straw (CS), and farmyard manure (CM) treatments for 35 days since initial application. Error bars represent the standard error of the mean for each treatment.



- i. Comment on the above graph with special emphasis on how to improve the communication of the main message.

(30 marks)

- ii. Propose an appropriate title for the above figure.

(20 marks)

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