

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE

Level IV Semester I - July/August 2016

FSC4121 – Information Literacy and Library Research Skills

Essay Paper

Answer three (03) questions only



Time: 01 hour

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01. Answer questions a. and b.
- a. What is the difference between surface web and deep web?
(30 Marks)
- b. Describe the web information resources evaluating AAOCC guideline with each criteria included in the standard.
(70 Marks)

02. Read the following abstract of a research article and answer questions below.

Tropically transmitted parasites may increase their transmission efficiency by altering the behaviour of infected hosts to increase their susceptibility to predation by target hosts (the next host in the life cycle). The parasite Diplostomum spathaceum (Trematoda) reduces the vision of its fish intermediate hosts: its metacercariae lodge themselves in the eyes of fish and induce cataract formation, which gives them the opportunity to affect fish behaviour. We examined whether D. spathaceum eye flukes change the preference of fish for the surface layers of the water column or their escape behaviour, which could make the fish more vulnerable to predation by bird hosts. We also studied the influence of parasites on the susceptibility of fish to artificial aerial predators that were able to catch fish from the water surface. Infected and control fish did not differ in their preference for the surface layers but infected fish showed less escape behaviour when a black plate was drawn over the water surface. They were also more easily caught by human 'predators' dipping a net into the tank. Thus, infected fish should be easier prey for gulls and terns, implying that the ability of D. spathaceum eye flukes to alter fish behaviour may be a parasite strategy evolved to enhance transmission.

- a. What was the purpose of this study?
b. What were the methods/materials used for this study?
c. What was found from the study?
d. What was the conclusion?

(100 Marks)

03. While copyright protects the rights of copyright owners, it also seeks to promote the free flow and exchange of information. Discuss.

(100 Marks)

04. Answer question a. **OR** b.

- a. Explain how human elements are important in an effective presentation.

(100 Marks)

OR

- b. Write short notes on three (03) of the following:

- i. Citation styles
- ii. Eye contact
- iii. Literature review
- iv. Research process

(100 Marks)

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